Winnebago Reclamation Service

5450 Wansford Way, Suite 201 • Rockford, IL 61109 • Tel: (815) 381-5646 • Fax: (815) 381-5647

April 25, 2005

Bernard Schorle
United States Environmental Protection Agency
Region 5 – E.P.A.
77 West Jackson Boulevard
Chicago, Illinois 60604

RE: Winnebago Reclamation Service
2018080001 – Winnebago County
Permit No. 1991-138-LF
Pagel Landfill – Northern Unit
January 2005 – 1st Quarter Groundwater Monitoring

Dear Mr. Schorle:

Enclosed are copies of the analytical results and chain of custody for groundwater samples collected January 2005. Sample appearance information and field data are provided on the enclosed field data sheet. In addition, earlier this month I e-mailed you the excel spreadsheet containing the data for the North Unit.

Please feel free to call Tom Hilbert at 815-381-5646, or myself at 815-381-5649, if you have any questions.

Sincerely,

Evan Buskohl
Waste Group

PDC Laboratories, Inc.
P.O. Box 9071 • Peoria, IL 61612-9071
(309) 692-9688 • (800) 752-6651 • FAX (309) 692-9689

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Report Cover Page

Waste Group
5450 Wansford Way, Suite 201B

Rockford, IL 61109-1759

Date Received: 07-Jan-05
Date Reported: 14-Feb-05
PO #: Pagel N-GW
PDC Cust. # : 209324

Attn: Mr. Evan Buskohl
Login No. 05011635
Copy: Ms. Kim Van Pelt, c/o Andrews, 3535 Mayflower Blvd, Springfield, IL, 62711-9405

This report includes information regarding the following described samples as received by the laboratory and is only valid for the parameters tested. This report contains 35 results page(s) not including the cover page(s).

Sample No.	Client ID	Site	Locator
05011635-1	PAGEL/NORTH	G03M	PAGEL PIT
05011635-2	PAGEL/NORTH	R03S	PAGEL PIT
05011635-3	PAGEL/NORTH	G09D	PAGEL PIT
05011635-4	PAGEL/NORTH	G09M	PAGEL PIT
05011635-5	PAGEL/NORTH	G119	PAGEL PIT
05011635-6	PAGEL/NORTH	G130	PAGEL PIT
05011635-7	PAGEL/NORTH	G14D	PAGEL PIT
05011635-8	PAGEL/NORTH	G15S	PAGEL PIT
05011635-9	PAGEL/NORTH	G16D	PAGEL PIT
05011635-10	PAGEL/NORTH	G16M	PAGEL PIT
05011635-11	PAGEL/NORTH	G17S	PAGEL PIT
05011635-12	PAGEL/NORTH	G18D	PAGEL PIT
05011635-13	PAGEL/NORTH	G18S	PAGEL PIT
05011635-14	PAGEL/NORTH	G20D	PAGEL PIT

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Sample No.	Client ID	Site	Locator
05011635-15	PAGEL/NORTH	G33D	PAGEL PIT
05011635-16	PAGEL/NORTH	G33S	PAGEL PIT
05011635-17	PAGEL/NORTH	G34D	PAGEL PIT
05011635-18	PAGEL/NORTH	G34S	PAGEL PIT
05011635-19	PAGEL/NORTH	G35D	PAGEL PIT
05011635-20	PAGEL/NORTH	G35S	PAGEL PIT
05011635-21	PAGEL/NORTH	G36S	PAGEL PIT
05011635-22	PAGEL/NORTH	G37D	PAGEL PIT
05011635-23	PAGEL/NORTH	G37S	PAGEL PIT
05011635-24	PAGEL/NORTH	G38S	PAGEL PIT
05011635-25	PAGEL/NORTH	G39S	PAGEL PIT
05011635-26	PAGEL/NORTH	G40S	PAGEL PIT
05011635-27	PAGEL/NORTH	G41D	PAGEL PIT
05011635-28	PAGEL/NORTH	G41M	PAGEL PIT

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Sample No.	Client ID	Site	Locator
05011635-29	PAGEL/NORTH	G41S	PAGEL PIT
05011635-30	PAGEL/NORTH	R42S	PAGEL PIT
05011635-31	PAGEL/NORTH	SG1	PAGEL PIT
05011635-32	PAGEL/NORTH	SG3	PAGEL PIT
05011635-33	PAGEL/NORTH	SG4	PAGEL PIT
05011635-34	PAGEL/NORTH	FIELD BLANK	PAGEL PIT
05011635-35	PAGEL/NORTH	EQUIP BLANK	PAGEL PIT

Certified by: Dorothy W. Rothert
Dorothy W. Rothert, Project Manager

PDC Laboratories, Inc. participates in the following laboratory accreditation/certification/validation and proficiency programs:

Endorsement by the Federal or State Government or their agencies is not implied.
NELAC Accreditation for Drinking Water, Wastewater, Hazardous and Solid Wastes Fields of Testing through IL EPA Lab No. 100230

State of Illinois Certification for Bacteriological Analysis in Drinking Water -Lab Registry No. 17553
Drinking Water Certifications: Indiana (C-IL-04); Kansas (E-10338); Kentucky (90058); Missouri (00870); Wisconsin (998284430)
Wastewater Certifications: Arkansas; Iowa (240); Kansas (E-10338); Wisconsin (998284430)
Hazardous/Solid Waste Certifications: Arkansas; Kansas (E-10338); Wisconsin (998284430)
UST Certification: Iowa (240)

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Laboratory Results

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Rockford, IL 61109-1759

Attn: Mr. Evan Buskohl

Date Received: 07-Jan-05
Date Reported: 14-Feb-05
PO #: Pagel N-GW
PDC Cust. # : 209324

Login No. 05011635

Sample No: 05011635-1
Client ID: PAGEL/NORTH
Site: G03M
Locator: PAGEL PIT
Collect Date: 05-JAN-05 10:40

Parameter		Result	Units	Date	By
EPA METHOD 300.0 rev 2.1					
Chloride, Dissolved		44.	mg/l	07-Jan-05 10:33	pli
SM METHOD 4500 CN C,E / SW-846 METHOD 9012					
Cyanide, Total	<	0.0050	mg/l	11-Jan-05 15:40	lgjfa
SM METHOD 4500 NH3 D / EPA METHOD 350.1 (Phenate)					
Nitrogen, Ammonia as N, Diss.		1.5	mg/l	11-Jan-05 12:07	TCH
EPA METHOD 300.0 rev 2.1					
Nitrate as N, Diss.		9.4	mg/l	07-Jan-05 10:33	pli
SM METHOD 5530 B,D / SW-846 METHOD 9066 / EPA METHOD 420.2					
Phenolics	<	0.0050	mg/l	12-Jan-05 12:40	lgjfa
EPA METHOD 300.0 rev. 2.1					
Sulfate, Dissolved		30.	mg/l	07-Jan-05 10:33	pli
SM METHOD 2540 C					
Solids, Total Dissolved, Filtered		480	mg/l	07-Jan-05 13:57	KD/KT
SW-846 METHOD 6010B					
Boron, Dissolved		47.	ug/l	11-Jan-05 09:45	ERS
Iron, Dissolved		41.	ug/l	11-Jan-05 09:45	ERS
SW-846 METHOD 6020					
Arsenic, Dissolved	<	1.0	ug/l	17-Jan-05 11:00	KJP
Cadmium, Dissolved		2.1	ug/l	17-Jan-05 11:00	KJP
Manganese, Dissolved		500	ug/l	17-Jan-05 11:00	KJP
Lead, Dissolved	<	1.0	ug/l	17-Jan-05 11:00	KJP
Zinc, Dissolved		7.5	ug/l	17-Jan-05 11:00	KJP

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Date Received: 07-Jan-05
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PO #: Pagel N-GW
PDC Cust. # : 209324

Login No. 05011635

Sample No: 05011635-2
Client ID: PAGEL/NORTH
Site: R03S
Locator: PAGEL PIT
Collect Date: 05-JAN-05 11:25

Parameter		Result	Units	Date	By
EPA METHOD 300.0 rev 2.1					
Chloride, Dissolved		80.	mg/l	13-Jan-05 18:06	pli
SM METHOD 4500 CN C,E / SW-846 METHOD 9012					
Cyanide, Total	<	0.0050	mg/l	11-Jan-05 15:43	lgjfa
SM METHOD 4500 NH3 D / EPA METHOD 350.1 (Phenate)					
Nitrogen, Ammonia as N, Diss.		17.	mg/l	11-Jan-05 12:07	TCH
EPA METHOD 300.0 rev 2.1					
Nitrate as N, Diss.	H	0.031	mg/l	07-Jan-05 11:37	pli
SM METHOD 5530 B,D / SW-846 METHOD 9066 / EPA METHOD 420.2					
Phenolics	<	0.0050	mg/l	12-Jan-05 12:42	lgjfa
EPA METHOD 300.0 rev. 2.1					
Sulfate, Dissolved		28.	mg/l	13-Jan-05 18:06	pli
SM METHOD 2540 C					
Solids, Total Dissolved, Filtered		560	mg/l	10-Jan-05 09:24	KT
SW-846 METHOD 6010B					
Boron, Dissolved		130	ug/l	11-Jan-05 09:45	ERS
Iron, Dissolved		8000	ug/l	11-Jan-05 09:45	ERS
SW-846 METHOD 6020					
Arsenic, Dissolved		12.	ug/l	17-Jan-05 11:00	KJP
Cadmium, Dissolved		1.6	ug/l	17-Jan-05 11:00	KJP
Manganese, Dissolved		150	ug/l	17-Jan-05 11:00	KJP
Lead, Dissolved	<	1.0	ug/l	17-Jan-05 11:00	KJP
Zinc, Dissolved	<	6.0	ug/l	17-Jan-05 11:00	KJP

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Attn: Mr. Evan Buskohl

Date Received: 07-Jan-05
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PO #: Pagel N-GW
PDC Cust. # : 209324

Login No. 05011635

Sample No: 05011635-3
Client ID: PAGEL/NORTH
Site: G09D
Locator: PAGEL PIT
Collect Date: 05-JAN-05 13:57

Parameter		Result	Units	Date	By
EPA METHOD 300.0 rev 2.1					
Chloride, Dissolved		22.	mg/l	13-Jan-05 18:21	pli
SM METHOD 4500 CN C,E / SW-846 METHOD 9012					
Cyanide, Total	<	0.0050	mg/l	11-Jan-05 15:45	lgjfa
SM METHOD 4500 NH3 D / EPA METHOD 350.1 (Phenate)					
Nitrogen, Ammonia as N, Diss.	<	0.090	mg/l	11-Jan-05 12:07	TCH
EPA METHOD 300.0 rev 2.1					
Nitrate as N, Diss.	H<	0.020	mg/l	07-Jan-05 16:22	pli
SM METHOD 5530 B,D / SW-846 METHOD 9066 / EPA METHOD 420.2					
Phenolics	<	0.0050	mg/l	12-Jan-05 12:43	lgjfa
EPA METHOD 300.0 rev. 2.1					
Sulfate, Dissolved		48.	mg/l	13-Jan-05 18:21	pli
SM METHOD 2540 C					
Solids, Total Dissolved, Filtered		930	mg/l	10-Jan-05 09:24	KT
SW-846 METHOD 6010B					
Boron, Dissolved		44.	ug/l	11-Jan-05 09:45	ERS
Iron, Dissolved		3700	ug/l	11-Jan-05 09:45	ERS
SW-846 METHOD 6020					
Arsenic, Dissolved	<	1.0	ug/l	17-Jan-05 11:00	KJP
Cadmium, Dissolved		1.0	ug/l	17-Jan-05 11:00	KJP
Manganese, Dissolved		940	ug/l	17-Jan-05 11:00	KJP
Lead, Dissolved	<	1.0	ug/l	17-Jan-05 11:00	KJP
Zinc, Dissolved		11.	ug/l	17-Jan-05 11:00	KJP

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PO #: Pagel N-GW
PDC Cust. # : 209324

Login No. 05011635

Sample No: 05011635-4
Client ID: PAGEL/NORTH
Site: G09M
Locator: PAGEL PIT
Collect Date: 05-JAN-05 13:30

Parameter		Result	Units	Date	By
EPA METHOD 300.0 rev 2.1					
Chloride, Dissolved		250	mg/l	14-Jan-05 14:36	pli
SM METHOD 4500 CN C,E / SW-846 METHOD 9012					
Cyanide, Total	<	0.0050	mg/l	11-Jan-05 15:52	lgjfa
SM METHOD 4500 NH3 D / EPA METHOD 350.1 (Phenate)					
Nitrogen, Ammonia as N, Diss.		1.3	mg/l	11-Jan-05 12:07	TCH
EPA METHOD 300.0 rev 2.1					
Nitrate as N, Diss.	H	0.055	mg/l	07-Jan-05 13:31	pli
SM METHOD 5530 B,D / SW-846 METHOD 9066 / EPA METHOD 420.2					
Phenolics	<	0.0050	mg/l	12-Jan-05 12:44	lgjfa
EPA METHOD 300.0 rev. 2.1					
Sulfate, Dissolved	<	1.0	mg/l	07-Jan-05 13:31	pli
SM METHOD 2540 C					
Solids, Total Dissolved, Filtered		1100	mg/l	10-Jan-05 09:24	KT
SW-846 METHOD 6010B					
Boron, Dissolved		18.	ug/l	11-Jan-05 09:45	ERS
Iron, Dissolved		4300	ug/l	11-Jan-05 09:45	ERS
SW-846 METHOD 6020					
Arsenic, Dissolved	<	1.0	ug/l	17-Jan-05 11:00	KJP
Cadmium, Dissolved	<	1.0	ug/l	17-Jan-05 11:00	KJP
Manganese, Dissolved		14.	ug/l	17-Jan-05 11:00	KJP
Lead, Dissolved		1.7	ug/l	17-Jan-05 11:00	KJP
Zinc, Dissolved		9600	ug/l	17-Jan-05 11:00	KJP

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PDC Cust. # : 209324

Login No. 05011635

Sample No: 05011635-5
Client ID: PAGEL/NORTH
Site: G119
Locator: PAGEL PIT
Collect Date: 05-JAN-05 09:10

Parameter		Result	Units	Date	By
EPA METHOD 300.0 rev 2.1					
Chloride, Dissolved		83.	mg/l	07-Jan-05 08:46	pli
SM METHOD 4500 CN C,E / SW-846 METHOD 9012					
Cyanide, Total	<	0.0050	mg/l	11-Jan-05 15:53	lgjfa
SM METHOD 4500 NH3 D / EPA METHOD 350.1 (Phenate)					
Nitrogen, Ammonia as N, Diss.	<	0.090	mg/l	11-Jan-05 12:07	TCH
EPA METHOD 300.0 rev 2.1					
Nitrate as N, Diss.		14.	mg/l	07-Jan-05 08:46	pli
SM METHOD 5530 B,D / SW-846 METHOD 9066 / EPA METHOD 420.2					
Phenolics	<	0.0050	mg/l	12-Jan-05 15:09	lgjfa
EPA METHOD 300.0 rev. 2.1					
Sulfate, Dissolved		22.	mg/l	18-Jan-05 16:09	pli
SM METHOD 2540 C					
Solids, Total Dissolved, Filtered		410	mg/l	10-Jan-05 09:23	KT
SW-846 METHOD 6010B					
Boron, Dissolved		11.	ug/l	11-Jan-05 09:45	ERS
Iron, Dissolved		51.	ug/l	11-Jan-05 09:45	ERS
SW-846 METHOD 6020					
Arsenic, Dissolved	<	1.0	ug/l	17-Jan-05 11:00	KJP
Cadmium, Dissolved	<	1.0	ug/l	17-Jan-05 11:00	KJP
Manganese, Dissolved	<	1.0	ug/l	17-Jan-05 11:00	KJP
Lead, Dissolved	<	1.0	ug/l	17-Jan-05 11:00	KJP
Zinc, Dissolved	<	6.0	ug/l	17-Jan-05 11:00	KJP

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Login No. 05011635

Sample No: 05011635-6
Client ID: PAGEL/NORTH
Site: G130
Locator: PAGEL PIT
Collect Date: 05-JAN-05 09:45

Parameter		Result	Units	Date	By
EPA METHOD 300.0 rev 2.1					
Chloride, Dissolved		35.	mg/l	07-Jan-05 09:01	pli
SM METHOD 4500 CN C,E / SW-846 METHOD 9012					
Cyanide, Total	<	0.0050	mg/l	11-Jan-05 15:54	lgjfa
SM METHOD 4500 NH3 D / EPA METHOD 350.1 (Phenate)					
Nitrogen, Ammonia as N, Diss.	<	0.090	mg/l	11-Jan-05 12:07	TCH
EPA METHOD 300.0 rev 2.1					
Nitrate as N, Diss.		12.	mg/l	07-Jan-05 09:01	pli
SM METHOD 5530 B,D / SW-846 METHOD 9066 / EPA METHOD 420.2					
Phenolics	<	0.0050	mg/l	12-Jan-05 15:12	lgjfa
EPA METHOD 300.0 rev. 2.1					
Sulfate, Dissolved		57.	mg/l	07-Jan-05 09:01	pli
SM METHOD 2540 C					
Solids, Total Dissolved, Filtered		490	mg/l	10-Jan-05 09:25	KT
SW-846 METHOD 6010B					
Boron, Dissolved		13.	ug/l	11-Jan-05 09:45	ERS
Iron, Dissolved		42.	ug/l	11-Jan-05 09:45	ERS
SW-846 METHOD 6020					
Arsenic, Dissolved	<	1.0	ug/l	17-Jan-05 11:00	KJP
Cadmium, Dissolved	<	1.0	ug/l	17-Jan-05 11:00	KJP
Manganese, Dissolved	<	1.0	ug/l	17-Jan-05 11:00	KJP
Lead, Dissolved	<	1.0	ug/l	17-Jan-05 11:00	KJP
Zinc, Dissolved	<	6.0	ug/l	17-Jan-05 11:00	KJP

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PDC Cust. # : 209324

Login No. 05011635

Sample No: 05011635-7
Client ID: PAGEL/NORTH
Site: G14D
Locator: PAGEL PIT
Collect Date: 05-JAN-05 14:45

Parameter		Result	Units	Date	By
EPA METHOD 300.0 rev 2.1					
Chloride, Dissolved		49.	mg/l	14-Jan-05 15:14	pli
SM METHOD 4500 CN C,E / SW-846 METHOD 9012					
Cyanide, Total	<	0.0050	mg/l	11-Jan-05 15:54	lgjfa
SM METHOD 4500 NH3 D / EPA METHOD 350.1 (Phenate)					
Nitrogen, Ammonia as N, Diss.		1.6	mg/l	11-Jan-05 12:07	TCH
EPA METHOD 300.0 rev 2.1					
Nitrate as N, Diss.	<	0.020	mg/l	07-Jan-05 14:22	pli
SM METHOD 5530 B,D / SW-846 METHOD 9066 / EPA METHOD 420.2					
Phenolics	<	0.0050	mg/l	12-Jan-05 15:13	lgjfa
EPA METHOD 300.0 rev. 2.1					
Sulfate, Dissolved		8.0	mg/l	07-Jan-05 14:22	pli
SM METHOD 2540 C					
Solids, Total Dissolved, Filtered		890	mg/l	10-Jan-05 09:25	KT
SW-846 METHOD 6010B					
Boron, Dissolved		88.	ug/l	11-Jan-05 09:45	ERS
Iron, Dissolved		24000	ug/l	11-Jan-05 09:45	ERS
SW-846 METHOD 6020					
Arsenic, Dissolved		6.2	ug/l	17-Jan-05 11:00	KJP
Cadmium, Dissolved	<	1.0	ug/l	17-Jan-05 11:00	KJP
Manganese, Dissolved		290	ug/l	17-Jan-05 11:00	KJP
Lead, Dissolved	<	1.0	ug/l	17-Jan-05 11:00	KJP
Zinc, Dissolved	<	6.0	ug/l	17-Jan-05 11:00	KJP

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PDC Cust. # : 209324

Login No. 05011635

Sample No: 05011635-8
Client ID: PAGEL/NORTH
Site: G15S
Locator: PAGEL PIT
Collect Date: 05-JAN-05 16:00

Parameter		Result	Units	Date	By
EPA METHOD 300.0 rev 2.1					
Chloride, Dissolved		400	mg/l	18-Jan-05 16:24	pli
SM METHOD 4500 CN C,E / SW-846 METHOD 9012					
Cyanide, Total	<	0.0050	mg/l	11-Jan-05 15:55	lgjfa
SM METHOD 4500 NH3 D / EPA METHOD 350.1 (Phenate)					
Nitrogen, Ammonia as N, Diss.		100	mg/l	11-Jan-05 12:07	TCH
EPA METHOD 300.0 rev 2.1					
Nitrate as N, Diss.		0.051	mg/l	07-Jan-05 14:09	pli
SM METHOD 5530 B,D / SW-846 METHOD 9066 / EPA METHOD 420.2					
Phenolics		0.0084	mg/l	12-Jan-05 14:47	lgjfa
EPA METHOD 300.0 rev. 2.1					
Sulfate, Dissolved		39.	mg/l	14-Jan-05 11:44	pli
SM METHOD 2540 C					
Solids, Total Dissolved, Filtered		1100	mg/l	10-Jan-05 09:25	KT
SW-846 METHOD 6010B					
Boron, Dissolved		500	ug/l	11-Jan-05 09:45	ERS
Iron, Dissolved		1900	ug/l	11-Jan-05 09:45	ERS
SW-846 METHOD 6020					
Arsenic, Dissolved		3.2	ug/l	17-Jan-05 14:00	KJP
Cadmium, Dissolved		1.1	ug/l	17-Jan-05 14:00	KJP
Manganese, Dissolved		500	ug/l	17-Jan-05 14:00	KJP
Lead, Dissolved	<	1.0	ug/l	17-Jan-05 14:00	KJP
Zinc, Dissolved		7.9	ug/l	17-Jan-05 14:00	KJP

PDC Laboratories, Inc.
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Laboratory Results

Waste Group
5450 Wansford Way, Suite 201B

Rockford, IL 61109-1759

Attn: Mr. Evan Buskohl

Date Received: 07-Jan-05
Date Reported: 14-Feb-05
PO #: Pagel N-GW
PDC Cust. # : 209324

Login No. 05011635

Sample No: 05011635-9
Client ID: PAGEL/NORTH
Site: G16D
Locator: PAGEL PIT
Collect Date: 05-JAN-05 13:55

Parameter		Result	Units	Date	By
EPA METHOD 300.0 rev 2.1					
Chloride, Dissolved		12.	mg/l	07-Jan-05 13:50	pli
SM METHOD 4500 CN C,E / SW-846 METHOD 9012					
Cyanide, Total	R<	0.0050	mg/l	13-Jan-05 13:41	lgjfa
SM METHOD 4500 NH3 D / EPA METHOD 350.1 (Phenate)					
Nitrogen, Ammonia as N, Diss.	<	0.090	mg/l	11-Jan-05 12:07	TCH
EPA METHOD 300.0 rev 2.1					
Nitrate as N, Diss.		3.5	mg/l	07-Jan-05 13:50	pli
SM METHOD 5530 B,D / SW-846 METHOD 9066 / EPA METHOD 420.2					
Phenolics	<	0.0050	mg/l	12-Jan-05 15:15	lgjfa
EPA METHOD 300.0 rev. 2.1					
Sulfate, Dissolved		32.	mg/l	07-Jan-05 13:50	pli
SM METHOD 2540 C					
Solids, Total Dissolved, Filtered		370	mg/l	10-Jan-05 09:26	KT
SW-846 METHOD 6010B					
Boron, Dissolved		10.	ug/l	11-Jan-05 09:45	ERS
Iron, Dissolved		39.	ug/l	11-Jan-05 09:45	ERS
SW-846 METHOD 6020					
Arsenic, Dissolved	<	1.0	ug/l	17-Jan-05 14:00	KJP
Cadmium, Dissolved	<	1.0	ug/l	17-Jan-05 14:00	KJP
Manganese, Dissolved	<	1.0	ug/l	17-Jan-05 14:00	KJP
Lead, Dissolved	<	1.0	ug/l	17-Jan-05 14:00	KJP
Zinc, Dissolved	<	6.0	ug/l	17-Jan-05 14:00	KJP

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Rockford, IL 61109-1759

Attn: Mr. Evan Buskohl

Date Received: 07-Jan-05
Date Reported: 14-Feb-05
PO #: Pagel N-GW
PDC Cust. # : 209324

Login No. 05011635

Sample No: 05011635-10
Client ID: PAGEL/NORTH
Site: G16M
Locator: PAGEL PIT
Collect Date: 05-JAN-05 13:35

Parameter		Result	Units	Date	By
EPA METHOD 300.0 rev 2.1					
Chloride, Dissolved		45.	mg/l	08-Jan-05 12:00	pli
SM METHOD 4500 CN C,E / SW-846 METHOD 9012					
Cyanide, Total	<	0.0050	mg/l	13-Jan-05 13:43	lgjfa
SM METHOD 4500 NH3 D / EPA METHOD 350.1 (Phenate)					
Nitrogen, Ammonia as N, Diss.		9.3	mg/l	11-Jan-05 12:07	TCH
EPA METHOD 300.0 rev 2.1					
Nitrate as N, Diss.	H	9.1	mg/l	08-Jan-05 12:00	pli
SM METHOD 5530 B,D / SW-846 METHOD 9066 / EPA METHOD 420.2					
Phenolics	<	0.0050	mg/l	12-Jan-05 15:16	lgjfa
EPA METHOD 300.0 rev. 2.1					
Sulfate, Dissolved		27.	mg/l	08-Jan-05 12:00	pli
SM METHOD 2540 C					
Solids, Total Dissolved, Filtered		440	mg/l	10-Jan-05 09:26	KT
SW-846 METHOD 6010B					
Boron, Dissolved		53.	ug/l	11-Jan-05 09:45	ERS
Iron, Dissolved		48.	ug/l	11-Jan-05 09:45	ERS
SW-846 METHOD 6020					
Arsenic, Dissolved	<	1.0	ug/l	17-Jan-05 14:00	KJP
Cadmium, Dissolved	<	1.0	ug/l	17-Jan-05 14:00	KJP
Manganese, Dissolved		980	ug/l	17-Jan-05 14:00	KJP
Lead, Dissolved	<	1.0	ug/l	17-Jan-05 14:00	KJP
Zinc, Dissolved	<	6.0	ug/l	17-Jan-05 14:00	KJP

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Rockford, IL 61109-1759

Attn: Mr. Evan Buskohl

Date Received: 07-Jan-05
Date Reported: 14-Feb-05
PO #: Pagel N-GW
PDC Cust. # : 209324

Login No. 05011635

Sample No: 05011635-11
Client ID: PAGEL/NORTH
Site: G17S
Locator: PAGEL PIT
Collect Date: 05-JAN-05 09:32

Parameter		Result	Units	Date	By
EPA METHOD 300.0 rev 2.1					
Chloride, Dissolved		32.	mg/l	07-Jan-05 09:25	pli
SM 4500-CN C ,G/SW9012A					
Cyanide, Total	<	0.0050	mg/l	13-Jan-05 13:44	lgjfa
SM METHOD 4500 NH3 D / EPA METHOD 350.1 (Phenate)					
Nitrogen, Ammonia as N, Diss.	<	0.090	mg/l	11-Jan-05 12:07	TCH
EPA METHOD 300.0 rev 2.1					
Nitrate as N, Diss.		2.9	mg/l	07-Jan-05 09:25	pli
SM METHOD 5530 B,D / SW-846 METHOD 9066 / EPA METHOD 420.2					
Phenolics	<	0.0050	mg/l	12-Jan-05 15:22	lgjfa
EPA METHOD 300.0 rev. 2.1					
Sulfate, Dissolved		70.	mg/l	07-Jan-05 09:25	pli
SM METHOD 2540 C					
Solids, Total Dissolved, Filtered		550	mg/l	10-Jan-05 09:26	KT
SW-846 METHOD 6010B					
Boron, Dissolved		50.	ug/l	11-Jan-05 09:45	ERS
Iron, Dissolved		100	ug/l	11-Jan-05 09:45	ERS
SW-846 METHOD 6020					
Arsenic, Dissolved	<	1.0	ug/l	17-Jan-05 14:00	KJP
Cadmium, Dissolved	<	1.0	ug/l	17-Jan-05 14:00	KJP
Manganese, Dissolved	<	1.0	ug/l	17-Jan-05 14:00	KJP
Lead, Dissolved	<	1.0	ug/l	17-Jan-05 14:00	KJP
Zinc, Dissolved	<	6.0	ug/l	17-Jan-05 14:00	KJP

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Attn: Mr. Evan Buskohl

Date Received: 07-Jan-05
Date Reported: 14-Feb-05
PO #: Pagel N-GW
PDC Cust. # : 209324

Login No. 05011635

Sample No: 05011635-12
Client ID: PAGEL/NORTH
Site: G18D
Locator: PAGEL PIT
Collect Date: 05-JAN-05 13:31

Parameter		Result	Units	Date	By
EPA METHOD 300.0 rev 2.1					
Chloride, Dissolved		32.	mg/l	07-Jan-05 15:06	pli
SM METHOD 4500 CN C,E / SW-846 METHOD 9012					
Cyanide, Total	<	0.0050	mg/l	13-Jan-05 13:45	lgjfa
SM METHOD 4500 NH3 D / EPA METHOD 350.1 (Phenate)					
Nitrogen, Ammonia as N, Diss.	<	0.090	mg/l	11-Jan-05 12:07	TCH
EPA METHOD 300.0 rev 2.1					
Nitrate as N, Diss.	H	7.3	mg/l	07-Jan-05 15:06	pli
SM METHOD 5530 B,D / SW-846 METHOD 9066 / EPA METHOD 420.2					
Phenolics	<	0.0050	mg/l	12-Jan-05 15:23	lgjfa
EPA METHOD 300.0 rev. 2.1					
Sulfate, Dissolved		27.	mg/l	07-Jan-05 15:06	pli
SM METHOD 2540 C					
Solids, Total Dissolved, Filtered		450	mg/l	10-Jan-05 09:26	KT
SW-846 METHOD 6010B					
Boron, Dissolved		18.	ug/l	11-Jan-05 09:45	ERS
Iron, Dissolved		2300	ug/l	11-Jan-05 09:45	ERS
SW-846 METHOD 6020					
Arsenic, Dissolved	<	1.0	ug/l	17-Jan-05 14:00	KJP
Cadmium, Dissolved	<	1.0	ug/l	17-Jan-05 14:00	KJP
Manganese, Dissolved		130	ug/l	17-Jan-05 14:00	KJP
Lead, Dissolved	<	1.0	ug/l	17-Jan-05 14:00	KJP
Zinc, Dissolved	<	6.0	ug/l	17-Jan-05 14:00	KJP

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Attn: Mr. Evan Buskohl

Date Received: 07-Jan-05
Date Reported: 14-Feb-05
PO #: Pagel N-GW
PDC Cust. # : 209324

Login No. 05011635

Sample No: 05011635-13
Client ID: PAGEL/NORTH
Site: G18S
Locator: PAGEL PIT
Collect Date: 05-JAN-05 13:17

Parameter		Result	Units	Date	By
EPA METHOD 300.0 rev 2.1					
Chloride, Dissolved		28.	mg/l	07-Jan-05 13:12	pli
SM METHOD 4500 CN C,E / SW-846 METHOD 9012					
Cyanide, Total	P<	0.0050	mg/l	13-Jan-05 13:47	lgjfa
SM METHOD 4500 NH3 D / EPA METHOD 350.1 (Phenate)					
Nitrogen, Ammonia as N, Diss.	<	0.090	mg/l	11-Jan-05 12:07	TCH
EPA METHOD 300.0 rev 2.1					
Nitrate as N, Diss.		4.0	mg/l	07-Jan-05 13:12	pli
SM METHOD 5530 B,D / SW-846 METHOD 9066 / EPA METHOD 420.2					
Phenolics	<	0.0050	mg/l	12-Jan-05 15:24	lgjfa
EPA METHOD 300.0 rev. 2.1					
Sulfate, Dissolved		88.	mg/l	07-Jan-05 13:12	pli
SM METHOD 2540 C					
Solids, Total Dissolved, Filtered		470	mg/l	10-Jan-05 09:27	KT
SW-846 METHOD 6010B					
Boron, Dissolved		51.	ug/l	11-Jan-05 09:45	ERS
Iron, Dissolved		40.	ug/l	11-Jan-05 09:45	ERS
SW-846 METHOD 6020					
Arsenic, Dissolved	<	1.0	ug/l	17-Jan-05 14:00	KJP
Cadmium, Dissolved	<	1.0	ug/l	17-Jan-05 14:00	KJP
Manganese, Dissolved		1.2	ug/l	17-Jan-05 14:00	KJP
Lead, Dissolved	<	1.0	ug/l	17-Jan-05 14:00	KJP
Zinc, Dissolved	<	6.0	ug/l	17-Jan-05 14:00	KJP

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Attn: Mr. Evan Buskohl

Date Received: 07-Jan-05
Date Reported: 14-Feb-05
PO #: Pagel N-GW
PDC Cust. # : 209324

Login No. 05011635

Sample No: 05011635-14
Client ID: PAGEL/NORTH
Site: G20D
Locator: PAGEL PIT
Collect Date: 05-JAN-05 13:00

Parameter		Result	Units	Date	By
EPA METHOD 300.0 rev 2.1					
Chloride, Dissolved		26.	mg/l	07-Jan-05 12:35	pli
SM METHOD 4500 CN C,E / SW-846 METHOD 9012					
Cyanide, Total	<	0.0050	mg/l	13-Jan-05 13:51	lgjfa
SM METHOD 4500 NH3 D / EPA METHOD 350.1 (Phenate)					
Nitrogen, Ammonia as N, Diss.	<	0.090	mg/l	11-Jan-05 12:07	TCH
EPA METHOD 300.0 rev 2.1					
Nitrate as N, Diss.		3.8	mg/l	07-Jan-05 12:35	pli
SM METHOD 5530 B,D / SW-846 METHOD 9066 / EPA METHOD 420.2					
Phenolics	<	0.0050	mg/l	12-Jan-05 15:25	lgjfa
EPA METHOD 300.0 rev. 2.1					
Sulfate, Dissolved		24.	mg/l	07-Jan-05 12:35	pli
SM METHOD 2540 C					
Solids, Total Dissolved, Filtered		400	mg/l	10-Jan-05 09:27	KT
SW-846 METHOD 6010B					
Boron, Dissolved		20.	ug/l	11-Jan-05 09:45	ERS
Iron, Dissolved		43.	ug/l	11-Jan-05 09:45	ERS
SW-846 METHOD 6020					
Arsenic, Dissolved	<	1.0	ug/l	17-Jan-05 14:00	KJP
Cadmium, Dissolved	<	1.0	ug/l	17-Jan-05 14:00	KJP
Manganese, Dissolved		27.	ug/l	17-Jan-05 14:00	KJP
Lead, Dissolved	<	1.0	ug/l	17-Jan-05 14:00	KJP
Zinc, Dissolved	<	6.0	ug/l	17-Jan-05 14:00	KJP

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Rockford, IL 61109-1759

Attn: Mr. Evan Buskohl

Date Received: 07-Jan-05
Date Reported: 14-Feb-05
PO #: Pagel N-GW
PDC Cust. # : 209324

Login No. 05011635

Sample No: 05011635-15
Client ID: PAGEL/NORTH
Site: G33D
Locator: PAGEL PIT
Collect Date: 05-JAN-05 12:35

Parameter		Result	Units	Date	By
EPA METHOD 300.0 rev 2.1					
Chloride, Dissolved		20.	mg/l	07-Jan-05 11:49	pli
SM METHOD 4500 CN C,E / SW-846 METHOD 9012					
Cyanide, Total	<	0.0050	mg/l	13-Jan-05 13:52	lgjfa
SM METHOD 4500 NH3 D / EPA METHOD 350.1 (Phenate)					
Nitrogen, Ammonia as N, Diss.	<	0.090	mg/l	11-Jan-05 12:07	TCH
EPA METHOD 300.0 rev 2.1					
Nitrate as N, Diss.		9.9	mg/l	07-Jan-05 11:49	pli
SM METHOD 5530 B,D / SW-846 METHOD 9066 / EPA METHOD 420.2					
Phenolics	<	0.0050	mg/l	12-Jan-05 15:26	lgjfa
EPA METHOD 300.0 rev. 2.1					
Sulfate, Dissolved		36.	mg/l	07-Jan-05 11:49	pli
SM METHOD 2540 C					
Solids, Total Dissolved, Filtered		390	mg/l	10-Jan-05 09:27	KT
SW-846 METHOD 6010B					
Boron, Dissolved		11.	ug/l	11-Jan-05 09:45	ERS
Iron, Dissolved		49.	ug/l	11-Jan-05 09:45	ERS
SW-846 METHOD 6020					
Arsenic, Dissolved	<	1.0	ug/l	17-Jan-05 14:00	KJP
Cadmium, Dissolved	<	1.0	ug/l	17-Jan-05 14:00	KJP
Manganese, Dissolved	<	1.0	ug/l	17-Jan-05 14:00	KJP
Lead, Dissolved	<	1.0	ug/l	17-Jan-05 14:00	KJP
Zinc, Dissolved	<	6.0	ug/l	17-Jan-05 14:00	KJP

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Laboratory Results

Waste Group
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Rockford, IL 61109-1759

Attn: Mr. Evan Buskohl

Date Received: 07-Jan-05
Date Reported: 14-Feb-05
PO #: Pagel N-GW
PDC Cust. # : 209324

Login No. 05011635

Sample No: 05011635-16
Client ID: PAGEL/NORTH
Site: G33S
Locator: PAGEL PIT
Collect Date: 05-JAN-05 12:15

Parameter		Result	Units	Date	By
EPA METHOD 300.0 rev 2.1					
Chloride, Dissolved		15.	mg/l	07-Jan-05 12:34	pli
SM METHOD 4500 CN C,E / SW-846 METHOD 9012					
Cyanide, Total	<	0.0050	mg/l	13-Jan-05 13:53	lgjfa
SM METHOD 4500 NH3 D / EPA METHOD 350.1 (Phenate)					
Nitrogen, Ammonia as N, Diss.	<	0.090	mg/l	11-Jan-05 12:07	TCH
EPA METHOD 300.0 rev 2.1					
Nitrate as N, Diss.	H	7.7	mg/l	07-Jan-05 12:34	pli
SM METHOD 5530 B,D / SW-846 METHOD 9066 / EPA METHOD 420.2					
Phenolics	<	0.0050	mg/l	12-Jan-05 15:29	lgjfa
EPA METHOD 300.0 rev. 2.1					
Sulfate, Dissolved		34.	mg/l	07-Jan-05 12:34	pli
SM METHOD 2540 C					
Solids, Total Dissolved, Filtered		380	mg/l	10-Jan-05 09:28	KT
SW-846 METHOD 6010B					
Boron, Dissolved	<	10.	ug/l	11-Jan-05 09:45	ERS
Iron, Dissolved		39.	ug/l	11-Jan-05 09:45	ERS
SW-846 METHOD 6020					
Arsenic, Dissolved	<	1.0	ug/l	17-Jan-05 14:00	KJP
Cadmium, Dissolved	<	1.0	ug/l	17-Jan-05 14:00	KJP
Manganese, Dissolved	<	1.0	ug/l	17-Jan-05 14:00	KJP
Lead, Dissolved	<	1.0	ug/l	17-Jan-05 14:00	KJP
Zinc, Dissolved	<	6.0	ug/l	17-Jan-05 14:00	KJP

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Rockford, IL 61109-1759

Attn: Mr. Evan Buskohl

Date Received: 07-Jan-05
Date Reported: 14-Feb-05
PO #: Pagel N-GW
PDC Cust. # : 209324

Login No. 05011635

Sample No: 05011635-17
Client ID: PAGEL/NORTH
Site: G34D
Locator: PAGEL PIT
Collect Date: 05-JAN-05 14:40

Parameter		Result	Units	Date	By
EPA METHOD 300.0 rev 2.1					
Chloride, Dissolved		50.	mg/l	07-Jan-05 14:06	pli
SM METHOD 4500 CN C,E / SW-846 METHOD 9012					
Cyanide, Total	<	0.0050	mg/l	13-Jan-05 13:54	lgjfa
SM METHOD 4500 NH3 D / EPA METHOD 350.1 (Phenate)					
Nitrogen, Ammonia as N, Diss.		0.16	mg/l	11-Jan-05 12:07	TCH
EPA METHOD 300.0 rev 2.1					
Nitrate as N, Diss.		7.6	mg/l	07-Jan-05 14:06	pli
SM METHOD 5530 B,D / SW-846 METHOD 9066 / EPA METHOD 420.2					
Phenolics	<	0.0050	mg/l	12-Jan-05 15:30	lgjfa
EPA METHOD 300.0 rev. 2.1					
Sulfate, Dissolved		24.	mg/l	07-Jan-05 14:06	pli
SM METHOD 2540 C					
Solids, Total Dissolved, Filtered		460	mg/l	10-Jan-05 09:28	KT
SW-846 METHOD 6010B					
Boron, Dissolved		20.	ug/l	11-Jan-05 09:45	ERS
Iron, Dissolved		50.	ug/l	11-Jan-05 09:45	ERS
SW-846 METHOD 6020					
Arsenic, Dissolved	<	1.0	ug/l	17-Jan-05 14:00	KJP
Cadmium, Dissolved	<	1.0	ug/l	17-Jan-05 14:00	KJP
Manganese, Dissolved		43.	ug/l	17-Jan-05 14:00	KJP
Lead, Dissolved	<	1.0	ug/l	17-Jan-05 14:00	KJP
Zinc, Dissolved	<	6.0	ug/l	17-Jan-05 14:00	KJP

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Rockford, IL 61109-1759

Attn: Mr. Evan Buskohl

Date Received: 07-Jan-05
Date Reported: 14-Feb-05
PO #: Pagel N-GW
PDC Cust. # : 209324

Login No. 05011635

Sample No: 05011635-18
Client ID: PAGEL/NORTH
Site: G34S
Locator: PAGEL PIT
Collect Date: 05-JAN-05 14:15

Parameter		Result	Units	Date	By
EPA METHOD 300.0 rev 2.1					
Chloride, Dissolved		95.	mg/l	18-Jan-05 11:28	pli
SM METHOD 4500 CN C,E / SW-846 METHOD 9012					
Cyanide, Total	<	0.0050	mg/l	13-Jan-05 13:55	lgjfa
SM METHOD 4500 NH3 D / EPA METHOD 350.1 (Phenate)					
Nitrogen, Ammonia as N, Diss.		13.	mg/l	11-Jan-05 12:07	TCH
EPA METHOD 300.0 rev 2.1					
Nitrate as N, Diss.	H	4.0	mg/l	08-Jan-05 12:15	pli
SM METHOD 5530 B,D / SW-846 METHOD 9066 / EPA METHOD 420.2					
Phenolics	<	0.0050	mg/l	12-Jan-05 15:32	lgjfa
EPA METHOD 300.0 rev. 2.1					
Sulfate, Dissolved		26.	mg/l	08-Jan-05 12:15	pli
SM METHOD 2540 C					
Solids, Total Dissolved, Filtered		570	mg/l	10-Jan-05 09:28	KT
SW-846 METHOD 6010B					
Boron, Dissolved		120	ug/l	11-Jan-05 09:45	ERS
Iron, Dissolved		45.	ug/l	11-Jan-05 09:45	ERS
SW-846 METHOD 6020					
Arsenic, Dissolved	<	1.0	ug/l	17-Jan-05 14:00	KJP
Cadmium, Dissolved	<	1.0	ug/l	17-Jan-05 14:00	KJP
Manganese, Dissolved		160	ug/l	17-Jan-05 14:00	KJP
Lead, Dissolved	<	1.0	ug/l	17-Jan-05 14:00	KJP
Zinc, Dissolved	<	6.0	ug/l	17-Jan-05 14:00	KJP

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Laboratory Results

Waste Group
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Rockford, IL 61109-1759

Attn: Mr. Evan Buskohl

Date Received: 07-Jan-05
Date Reported: 14-Feb-05
PO #: Pagel N-GW
PDC Cust. # : 209324

Login No. 05011635

Sample No: 05011635-19
Client ID: PAGEL/NORTH
Site: G35D
Locator: PAGEL PIT
Collect Date: 05-JAN-05 13:15

Parameter		Result	Units	Date	By
EPA METHOD 300.0 rev 2.1					
Chloride, Dissolved		40.	mg/l	07-Jan-05 12:50	pli
SM METHOD 4500 CN C,E / SW-846 METHOD 9012					
Cyanide, Total	<	0.0050	mg/l	13-Jan-05 13:57	lgjfa
SM METHOD 4500 NH3 D / EPA METHOD 350.1 (Phenate)					
Nitrogen, Ammonia as N, Diss.		0.73	mg/l	11-Jan-05 12:07	TCH
EPA METHOD 300.0 rev 2.1					
Nitrate as N, Diss.		10.	mg/l	07-Jan-05 12:50	pli
SM METHOD 5530 B,D / SW-846 METHOD 9066 / EPA METHOD 420.2					
Phenolics	<	0.0050	mg/l	12-Jan-05 15:37	lgjfa
EPA METHOD 300.0 rev. 2.1					
Sulfate, Dissolved		29.	mg/l	07-Jan-05 12:50	pli
SM METHOD 2540 C					
Solids, Total Dissolved, Filtered		410	mg/l	10-Jan-05 09:28	KT
SW-846 METHOD 6010B					
Boron, Dissolved		30.	ug/l	11-Jan-05 09:45	ERS
Iron, Dissolved		46.	ug/l	11-Jan-05 09:45	ERS
SW-846 METHOD 6020					
Arsenic, Dissolved	<	1.0	ug/l	17-Jan-05 14:00	KJP
Cadmium, Dissolved	<	1.0	ug/l	17-Jan-05 14:00	KJP
Manganese, Dissolved		270	ug/l	17-Jan-05 14:00	KJP
Lead, Dissolved	<	1.0	ug/l	17-Jan-05 14:00	KJP
Zinc, Dissolved	<	6.0	ug/l	17-Jan-05 14:00	KJP

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Laboratory Results

Waste Group
5450 Wansford Way, Suite 201B

Rockford, IL 61109-1759

Attn: Mr. Evan Buskohl

Date Received: 07-Jan-05
Date Reported: 14-Feb-05
PO #: Pagel N-GW
PDC Cust. # : 209324

Login No. 05011635

Sample No: 05011635-20
Client ID: PAGEL/NORTH
Site: G35S
Locator: PAGEL PIT
Collect Date: 05-JAN-05 12:55

Parameter		Result	Units	Date	By
EPA METHOD 300.0 rev 2.1					
Chloride, Dissolved		52.	mg/l	14-Jan-05 17:08	pli
SM METHOD 4500 CN C,E / SW-846 METHOD 9012					
Cyanide, Total	<	0.0050	mg/l	13-Jan-05 13:58	lgjfa
SM METHOD 4500 NH3 D / EPA METHOD 350.1 (Phenate)					
Nitrogen, Ammonia as N, Diss.		41.	mg/l	13-Jan-05 11:41	TIN
EPA METHOD 300.0 rev 2.1					
Nitrate as N, Diss.		0.068	mg/l	07-Jan-05 12:20	pli
SM METHOD 5530 B,D / SW-846 METHOD 9066 / EPA METHOD 420.2					
Phenolics	<	0.0050	mg/l	12-Jan-05 15:38	lgjfa
EPA METHOD 300.0 rev. 2.1					
Sulfate, Dissolved		30.	mg/l	14-Jan-05 17:08	pli
SM METHOD 2540 C					
Solids, Total Dissolved, Filtered		340	mg/l	10-Jan-05 09:29	KT
SW-846 METHOD 6010B					
Boron, Dissolved		140	ug/l	11-Jan-05 09:45	ERS
Iron, Dissolved		39.	ug/l	11-Jan-05 09:45	ERS
SW-846 METHOD 6020					
Arsenic, Dissolved	<	1.0	ug/l	17-Jan-05 14:00	KJP
Cadmium, Dissolved	<	1.0	ug/l	17-Jan-05 14:00	KJP
Manganese, Dissolved		190	ug/l	17-Jan-05 14:00	KJP
Lead, Dissolved	<	1.0	ug/l	17-Jan-05 14:00	KJP
Zinc, Dissolved	<	6.0	ug/l	17-Jan-05 14:00	KJP

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Rockford, IL 61109-1759

Attn: Mr. Evan Buskohl

Date Received: 07-Jan-05
Date Reported: 14-Feb-05
PO #: Pagel N-GW
PDC Cust. # : 209324

Login No. 05011635

Sample No: 05011635-21
Client ID: PAGEL/NORTH
Site: G36S
Locator: PAGEL PIT
Collect Date: 05-JAN-05 10:15

Parameter		Result	Units	Date	By
EPA METHOD 300.0 rev 2.1					
Chloride, Dissolved		35.	mg/l	07-Jan-05 09:16	pli
SM 4500-CN C ,G/SW9012A					
Cyanide, Total	<	0.0050	mg/l	17-Jan-05 07:44	lgjfa
SM METHOD 4500 NH3 D / EPA METHOD 350.1 (Phenate)					
Nitrogen, Ammonia as N, Diss.	<	0.090	mg/l	13-Jan-05 11:41	TIN
EPA METHOD 300.0 rev 2.1					
Nitrate as N, Diss.		12.	mg/l	07-Jan-05 09:16	pli
SM METHOD 5530 B,D / SW-846 METHOD 9066 / EPA METHOD 420.2					
Phenolics	<	0.0050	mg/l	12-Jan-05 15:39	lgjfa
EPA METHOD 300.0 rev. 2.1					
Sulfate, Dissolved		30.	mg/l	07-Jan-05 09:16	pli
SM METHOD 2540 C					
Solids, Total Dissolved, Filtered		410	mg/l	10-Jan-05 09:29	KT
SW-846 METHOD 6010B					
Boron, Dissolved		12.	ug/l	11-Jan-05 09:45	ERS
Iron, Dissolved		38.	ug/l	11-Jan-05 09:45	ERS
SW-846 METHOD 6020					
Arsenic, Dissolved	<	1.0	ug/l	17-Jan-05 14:00	KJP
Cadmium, Dissolved	<	1.0	ug/l	17-Jan-05 14:00	KJP
Manganese, Dissolved	<	1.0	ug/l	17-Jan-05 14:00	KJP
Lead, Dissolved	<	1.0	ug/l	17-Jan-05 14:00	KJP
Zinc, Dissolved	<	6.0	ug/l	17-Jan-05 14:00	KJP

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Rockford, IL 61109-1759

Attn: Mr. Evan Buskohl

Date Received: 07-Jan-05
Date Reported: 14-Feb-05
PO #: Pagel N-GW
PDC Cust. # : 209324

Login No. 05011635

Sample No: 05011635-22
Client ID: PAGEL/NORTH
Site: G37D
Locator: PAGEL PIT
Collect Date: 05-JAN-05 12:53

Parameter		Result	Units	Date	By
EPA METHOD 300.0 rev 2.1					
Chloride, Dissolved		54.	mg/l	07-Jan-05 12:04	pli
SM METHOD 4500 CN C,E / SW-846 METHOD 9012					
Cyanide, Total	<	0.0050	mg/l	13-Jan-05 14:04	lgjfa
SM METHOD 4500 NH3 D / EPA METHOD 350.1 (Phenate)					
Nitrogen, Ammonia as N, Diss.	<	0.090	mg/l	13-Jan-05 11:41	TIN
EPA METHOD 300.0 rev 2.1					
Nitrate as N, Diss.		7.2	mg/l	07-Jan-05 12:04	pli
SM METHOD 5530 B,D / SW-846 METHOD 9066 / EPA METHOD 420.2					
Phenolics	<	0.0050	mg/l	12-Jan-05 15:40	lgjfa
EPA METHOD 300.0 rev. 2.1					
Sulfate, Dissolved		24.	mg/l	07-Jan-05 12:04	pli
SM METHOD 2540 C					
Solids, Total Dissolved, Filtered		480	mg/l	10-Jan-05 11:01	KT
SW-846 METHOD 6010B					
Boron, Dissolved		18.	ug/l	11-Jan-05 09:45	ERS
Iron, Dissolved		47.	ug/l	11-Jan-05 09:45	ERS
SW-846 METHOD 6020					
Arsenic, Dissolved	<	1.0	ug/l	17-Jan-05 14:00	KJP
Cadmium, Dissolved	<	1.0	ug/l	17-Jan-05 14:00	KJP
Manganese, Dissolved		4.8	ug/l	17-Jan-05 14:00	KJP
Lead, Dissolved	<	1.0	ug/l	17-Jan-05 14:00	KJP
Zinc, Dissolved	<	6.0	ug/l	17-Jan-05 14:00	KJP

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Attn: Mr. Evan Buskohl

Date Received: 07-Jan-05
Date Reported: 14-Feb-05
PO #: Pagel N-GW
PDC Cust. # : 209324

Login No. 05011635

Sample No: 05011635-23
Client ID: PAGEL/NORTH
Site: G37S
Locator: PAGEL PIT
Collect Date: 05-JAN-05 12:45

Parameter		Result	Units	Date	By
EPA METHOD 300.0 rev 2.1					
Chloride, Dissolved		110	mg/l	14-Jan-05 18:05	pli
SM METHOD 4500 CN C,E / SW-846 METHOD 9012					
Cyanide, Total	<	0.0050	mg/l	13-Jan-05 14:04	lgjfa
SM METHOD 4500 NH3 D / EPA METHOD 350.1 (Phenate)					
Nitrogen, Ammonia as N, Diss.		4.8	mg/l	13-Jan-05 11:41	TIN
EPA METHOD 300.0 rev 2.1					
Nitrate as N, Diss.	H	1.1	mg/l	07-Jan-05 12:53	pli
SM METHOD 5530 B,D / SW-846 METHOD 9066 / EPA METHOD 420.2					
Phenolics	<	0.0050	mg/l	12-Jan-05 15:41	lgjfa
EPA METHOD 300.0 rev. 2.1					
Sulfate, Dissolved		32.	mg/l	07-Jan-05 12:53	pli
SM METHOD 2540 C					
Solids, Total Dissolved, Filtered		680	mg/l	10-Jan-05 11:01	KT
SW-846 METHOD 6010B					
Boron, Dissolved		130	ug/l	11-Jan-05 09:45	ERS
Iron, Dissolved		46.	ug/l	11-Jan-05 09:45	ERS
SW-846 METHOD 6020					
Arsenic, Dissolved	<	1.0	ug/l	17-Jan-05 14:00	KJP
Cadmium, Dissolved	<	1.0	ug/l	17-Jan-05 14:00	KJP
Manganese, Dissolved		6.8	ug/l	17-Jan-05 14:00	KJP
Lead, Dissolved	<	1.0	ug/l	17-Jan-05 14:00	KJP
Zinc, Dissolved	<	6.0	ug/l	17-Jan-05 14:00	KJP

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Attn: Mr. Evan Buskohl

Date Received: 07-Jan-05
Date Reported: 14-Feb-05
PO #: Pagel N-GW
PDC Cust. # : 209324

Login No. 05011635

Sample No: 05011635-24
Client ID: PAGEL/NORTH
Site: G38S
Locator: PAGEL PIT
Collect Date: 05-JAN-05 12:20

Parameter		Result	Units	Date	By
EPA METHOD 300.0 rev 2.1					
Chloride, Dissolved		250	mg/l	14-Jan-05 18:43	pli
SM METHOD 4500 CN C,E / SW-846 METHOD 9012					
Cyanide, Total	<	0.0050	mg/l	13-Jan-05 14:05	lgjfa
SM METHOD 4500 NH3 D / EPA METHOD 350.1 (Phenate)					
Nitrogen, Ammonia as N, Diss.		77.	mg/l	13-Jan-05 11:41	TIN
EPA METHOD 300.0 rev 2.1					
Nitrate as N, Diss.		0.92	mg/l	07-Jan-05 11:34	pli
SM METHOD 5530 B,D / SW-846 METHOD 9066 / EPA METHOD 420.2					
Phenolics	<	0.0050	mg/l	12-Jan-05 15:42	lgjfa
EPA METHOD 300.0 rev. 2.1					
Sulfate, Dissolved		21.	mg/l	14-Jan-05 18:24	pli
SM METHOD 2540 C					
Solids, Total Dissolved, Filtered		830	mg/l	10-Jan-05 11:01	KT
SW-846 METHOD 6010B					
Boron, Dissolved		320	ug/l	11-Jan-05 09:45	ERS
Iron, Dissolved		2300	ug/l	11-Jan-05 09:45	ERS
SW-846 METHOD 6020					
Arsenic, Dissolved		3.5	ug/l	17-Jan-05 14:00	KJP
Cadmium, Dissolved	<	1.0	ug/l	17-Jan-05 14:00	KJP
Manganese, Dissolved		600	ug/l	17-Jan-05 14:00	KJP
Lead, Dissolved	<	1.0	ug/l	17-Jan-05 14:00	KJP
Zinc, Dissolved	<	6.0	ug/l	17-Jan-05 14:00	KJP

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Attn: Mr. Evan Buskohl

Date Received: 07-Jan-05
Date Reported: 14-Feb-05
PO #: Pagel N-GW
PDC Cust. # : 209324

Login No. 05011635

Sample No: 05011635-25
Client ID: PAGEL/NORTH
Site: G39S
Locator: PAGEL PIT
Collect Date: 05-JAN-05 13:50

Parameter		Result	Units	Date	By
EPA METHOD 300.0 rev 2.1					
Chloride, Dissolved		110	mg/l	18-Jan-05 11:47	pli
SM METHOD 4500 CN C,E / SW-846 METHOD 9012					
Cyanide, Total	<	0.0050	mg/l	13-Jan-05 14:06	lgjfa
SM METHOD 4500 NH3 D / EPA METHOD 350.1 (Phenate)					
Nitrogen, Ammonia as N, Diss.		5.8	mg/l	13-Jan-05 11:41	TIN
EPA METHOD 300.0 rev 2.1					
Nitrate as N, Diss.	<	0.020	mg/l	07-Jan-05 13:36	pli
SM METHOD 5530 B,D / SW-846 METHOD 9066 / EPA METHOD 420.2					
Phenolics	<	0.0050	mg/l	14-Jan-05 12:53	lgjfa
EPA METHOD 300.0 rev. 2.1					
Sulfate, Dissolved		28.	mg/l	14-Jan-05 19:02	pli
SM METHOD 2540 C					
Solids, Total Dissolved, Filtered		760	mg/l	10-Jan-05 11:02	KT
SW-846 METHOD 6010B					
Boron, Dissolved		120	ug/l	11-Jan-05 09:45	ERS
Iron, Dissolved		57.	ug/l	11-Jan-05 09:45	ERS
SW-846 METHOD 6020					
Arsenic, Dissolved	<	1.0	ug/l	17-Jan-05 14:00	KJP
Cadmium, Dissolved	<	1.0	ug/l	17-Jan-05 14:00	KJP
Manganese, Dissolved		700	ug/l	17-Jan-05 14:00	KJP
Lead, Dissolved	<	1.0	ug/l	17-Jan-05 14:00	KJP
Zinc, Dissolved	<	6.0	ug/l	17-Jan-05 14:00	KJP

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Waste Group
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Rockford, IL 61109-1759

Attn: Mr. Evan Buskohl

Date Received: 07-Jan-05
Date Reported: 14-Feb-05
PO #: Pagel N-GW
PDC Cust. # : 209324

Login No. 05011635

Sample No: 05011635-26
Client ID: PAGEL/NORTH
Site: G40S
Locator: PAGEL PIT
Collect Date: 05-JAN-05 15:30

Parameter		Result	Units	Date	By
EPA METHOD 300.0 rev 2.1					
Chloride, Dissolved		190	mg/l	18-Jan-05 13:43	pli
SM METHOD 4500 CN C,E / SW-846 METHOD 9012					
Cyanide, Total	<	0.0050	mg/l	13-Jan-05 14:07	lgjfa
SM METHOD 4500 NH3 D / EPA METHOD 350.1 (Phenate)					
Nitrogen, Ammonia as N, Diss.		34.	mg/l	13-Jan-05 11:41	TIN
EPA METHOD 300.0 rev 2.1					
Nitrate as N, Diss.	<	0.20	mg/l	07-Jan-05 14:37	pli
SM METHOD 5530 B,D / SW-846 METHOD 9066 / EPA METHOD 420.2					
Phenolics	<	0.0050	mg/l	14-Jan-05 12:56	lgjfa
EPA METHOD 300.0 rev 2.1					
Sulfate, Dissolved		21.	mg/l	07-Jan-05 14:37	pli
SM METHOD 2540 C					
Solids, Total Dissolved, Filtered		850	mg/l	10-Jan-05 11:02	KT
SW-846 METHOD 6010B					
Boron, Dissolved		160	ug/l	11-Jan-05 09:45	ERS
Iron, Dissolved		60.	ug/l	11-Jan-05 09:45	ERS
SW-846 METHOD 6020					
Arsenic, Dissolved		1.5	ug/l	17-Jan-05 14:00	KJP
Cadmium, Dissolved	<	1.0	ug/l	17-Jan-05 14:00	KJP
Manganese, Dissolved		740	ug/l	17-Jan-05 14:00	KJP
Lead, Dissolved	<	1.0	ug/l	17-Jan-05 14:00	KJP
Zinc, Dissolved	<	6.0	ug/l	17-Jan-05 14:00	KJP

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Laboratory Results

Waste Group
5450 Wansford Way, Suite 201B

Rockford, IL 61109-1759

Attn: Mr. Evan Buskohl

Date Received: 07-Jan-05
Date Reported: 14-Feb-05
PO #: Pagel N-GW
PDC Cust. # : 209324

Login No. 05011635

Sample No: 05011635-27
Client ID: PAGEL/NORTH
Site: G41D
Locator: PAGEL PIT
Collect Date: 05-JAN-05 10:35

Parameter		Result	Units	Date	By
EPA METHOD 300.0 rev 2.1					
Chloride, Dissolved		15.	mg/l	07-Jan-05 10:21	pli
SM METHOD 4500 CN C,E / SW-846 METHOD 9012					
Cyanide, Total	<	0.0050	mg/l	13-Jan-05 14:08	lgjfa
SM METHOD 4500 NH3 D / EPA METHOD 350.1 (Phenate)					
Nitrogen, Ammonia as N, Diss.		0.13	mg/l	13-Jan-05 11:41	TIN
EPA METHOD 300.0 rev 2.1					
Nitrate as N, Diss.		4.5	mg/l	07-Jan-05 10:21	pli
SM METHOD 5530 B,D / SW-846 METHOD 9066 / EPA METHOD 420.2					
Phenolics	<	0.0050	mg/l	14-Jan-05 12:57	lgjfa
EPA METHOD 300.0 rev. 2.1					
Sulfate, Dissolved		22.	mg/l	07-Jan-05 10:21	pli
SM METHOD 2540 C					
Solids, Total Dissolved, Filtered		380	mg/l	10-Jan-05 11:02	KT
SW-846 METHOD 6010B					
Boron, Dissolved		11.	ug/l	11-Jan-05 09:45	ERS
Iron, Dissolved		48.	ug/l	11-Jan-05 09:45	ERS
SW-846 METHOD 6020					
Arsenic, Dissolved	<	1.0	ug/l	17-Jan-05 14:00	KJP
Cadmium, Dissolved	<	1.0	ug/l	17-Jan-05 14:00	KJP
Manganese, Dissolved		15.	ug/l	17-Jan-05 14:00	KJP
Lead, Dissolved	<	1.0	ug/l	17-Jan-05 14:00	KJP
Zinc, Dissolved	<	6.0	ug/l	17-Jan-05 14:00	KJP

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Laboratory Results

Waste Group
5450 Wansford Way, Suite 201B

Rockford, IL 61109-1759

Attn: Mr. Evan Buskohl

Date Received: 07-Jan-05
Date Reported: 14-Feb-05
PO #: Pagel N-GW
PDC Cust. # : 209324

Login No. 05011635

Sample No: 05011635-28
Client ID: PAGEL/NORTH
Site: G41M
Locator: PAGEL PIT
Collect Date: 05-JAN-05 10:13

Parameter		Result	Units	Date	By
EPA METHOD 300.0 rev 2.1					
Chloride, Dissolved		63.	mg/l	08-Jan-05 12:31	pli
SM METHOD 4500 CN C,E / SW-846 METHOD 9012					
Cyanide, Total	<	0.0050	mg/l	13-Jan-05 14:10	lgjfa
SM METHOD 4500 NH3 D / EPA METHOD 350.1 (Phenate)					
Nitrogen, Ammonia as N, Diss.		4.8	mg/l	13-Jan-05 11:41	TIN
EPA METHOD 300.0 rev 2.1					
Nitrate as N, Diss.	H	8.9	mg/l	08-Jan-05 12:31	pli
SM METHOD 5530 B,D / SW-846 METHOD 9066 / EPA METHOD 420.2					
Phenolics	<	0.0050	mg/l	14-Jan-05 12:58	lgjfa
EPA METHOD 300.0 rev. 2.1					
Sulfate, Dissolved		30.	mg/l	08-Jan-05 12:31	pli
SM METHOD 2540 C					
Solids, Total Dissolved, Filtered		490	mg/l	10-Jan-05 11:02	KT
SW-846 METHOD 6010B					
Boron, Dissolved		58.	ug/l	11-Jan-05 09:45	ERS
Iron, Dissolved		46.	ug/l	11-Jan-05 09:45	ERS
SW-846 METHOD 6020					
Arsenic, Dissolved		1.1	ug/l	17-Jan-05 14:00	KJP
Cadmium, Dissolved	<	1.0	ug/l	17-Jan-05 14:00	KJP
Manganese, Dissolved		800	ug/l	17-Jan-05 14:00	KJP
Lead, Dissolved	<	1.0	ug/l	17-Jan-05 14:00	KJP
Zinc, Dissolved		89.	ug/l	17-Jan-05 14:00	KJP

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Attn: Mr. Evan Buskohl

Date Received: 07-Jan-05
Date Reported: 14-Feb-05
PO #: Pagel N-GW
PDC Cust. # : 209324

Login No. 05011635

Sample No: 05011635-29
Client ID: PAGEL/NORTH
Site: G41S
Locator: PAGEL PIT
Collect Date: 05-JAN-05 10:22

Parameter		Result	Units	Date	By
EPA METHOD 300.0 rev 2.1					
Chloride, Dissolved		120	mg/l	19-Jan-05 18:35	pli
SM METHOD 4500 CN C,E / SW-846 METHOD 9012					
Cyanide, Total	<	0.0050	mg/l	13-Jan-05 14:17	lgjfa
SM METHOD 4500 NH3 D / EPA METHOD 350.1 (Phenate)					
Nitrogen, Ammonia as N, Diss.		54.	mg/l	13-Jan-05 11:41	TIN
EPA METHOD 300.0 rev 2.1					
Nitrate as N, Diss.	H<	0.020	mg/l	07-Jan-05 16:41	pli
SM METHOD 5530 B,D / SW-846 METHOD 9066 / EPA METHOD 420.2					
Phenolics	<	0.0050	mg/l	14-Jan-05 12:59	lgjfa
EPA METHOD 300.0 rev. 2.1					
Sulfate, Dissolved		22.	mg/l	18-Jan-05 12:46	pli
SM METHOD 2540 C					
Solids, Total Dissolved, Filtered		610	mg/l	10-Jan-05 11:03	KT
SW-846 METHOD 6010B					
Boron, Dissolved		350	ug/l	11-Jan-05 09:45	ERS
Iron, Dissolved		5800	ug/l	11-Jan-05 09:45	ERS
SW-846 METHOD 6020					
Arsenic, Dissolved		33.	ug/l	17-Jan-05 14:00	KJP
Cadmium, Dissolved	<	1.0	ug/l	17-Jan-05 14:00	KJP
Manganese, Dissolved		66.	ug/l	17-Jan-05 14:00	KJP
Lead, Dissolved	<	1.0	ug/l	17-Jan-05 14:00	KJP
Zinc, Dissolved	<	6.0	ug/l	17-Jan-05 14:00	KJP

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Rockford, IL 61109-1759

Attn: Mr. Evan Buskohl

Date Received: 07-Jan-05
Date Reported: 14-Feb-05
PO #: Pagel N-GW
PDC Cust. # : 209324

Login No. 05011635

Sample No: 05011635-30
Client ID: PAGEL/NORTH
Site: R42S
Locator: PAGEL PIT
Collect Date: 05-JAN-05 09:15

Parameter		Result	Units	Date	By
EPA METHOD 300.0 rev 2.1					
Chloride, Dissolved		99.	mg/l	18-Jan-05 13:24	pli
SM METHOD 4500 CN C,E / SW-846 METHOD 9012					
Cyanide, Total	<	0.0050	mg/l	13-Jan-05 14:17	lgjfa
SM METHOD 4500 NH3 D / EPA METHOD 350.1 (Phenate)					
Nitrogen, Ammonia as N, Diss.		2.0	mg/l	13-Jan-05 11:41	TIN
EPA METHOD 300.0 rev 2.1					
Nitrate as N, Diss.		0.055	mg/l	07-Jan-05 08:47	pli
SM METHOD 5530 B,D / SW-846 METHOD 9066 / EPA METHOD 420.2					
Phenolics	<	0.0050	mg/l	14-Jan-05 13:00	lgjfa
EPA METHOD 300.0 rev. 2.1					
Sulfate, Dissolved		15.	mg/l	18-Jan-05 13:05	pli
SM METHOD 2540 C					
Solids, Total Dissolved, Filtered	H	910	mg/l	20-Jan-05 11:29	KT
SW-846 METHOD 6010B					
Boron, Dissolved		70.	ug/l	11-Jan-05 09:45	ERS
Iron, Dissolved		54000	ug/l	11-Jan-05 09:45	ERS
SW-846 METHOD 6020					
Arsenic, Dissolved		49.	ug/l	17-Jan-05 14:00	KJP
Cadmium, Dissolved	<	1.0	ug/l	17-Jan-05 14:00	KJP
Manganese, Dissolved		680	ug/l	17-Jan-05 14:00	KJP
Lead, Dissolved	<	1.0	ug/l	17-Jan-05 14:00	KJP
Zinc, Dissolved	<	6.0	ug/l	17-Jan-05 14:00	KJP

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ACCREDITED IN ACCORDANCE WITH nelac

Laboratory Results

Waste Group
5450 Wansford Way, Suite 201B

Rockford, IL 61109-1759

Attn: Mr. Evan Buskohl

Date Received: 07-Jan-05
Date Reported: 14-Feb-05
PO #: Pagel N-GW
PDC Cust. # : 209324

Login No. 05011635

Sample No: 05011635-31
Client ID: PAGEL/NORTH
Site: SG1
Locator: PAGEL PIT
Collect Date: 05-JAN-05 10:52

Parameter		Result	Units	Date	By
EPA METHOD 300.0 rev 2.1					
Chloride, Dissolved		61.	mg/l	07-Jan-05 09:32	pli
SM METHOD 4500 CN C,E / SW-846 METHOD 9012					
Cyanide, Total	<	0.0050	mg/l	13-Jan-05 14:18	lgjfa
SM METHOD 4500 NH3 D / EPA METHOD 350.1 (Phenate)					
Nitrogen, Ammonia as N, Diss.		2.5	mg/l	13-Jan-05 11:41	TIN
EPA METHOD 300.0 rev 2.1					
Nitrate as N, Diss.		6.4	mg/l	07-Jan-05 09:32	pli
SM METHOD 5530 B,D / SW-846 METHOD 9066 / EPA METHOD 420.2					
Phenolics	<	0.0050	mg/l	14-Jan-05 13:06	lgjfa
EPA METHOD 300.0 rev. 2.1					
Sulfate, Dissolved		56.	mg/l	07-Jan-05 09:32	pli
SM METHOD 2540 C					
Solids, Total Dissolved, Filtered		490	mg/l	10-Jan-05 11:03	KT
SW-846 METHOD 6010B					
Boron, Dissolved		38.	ug/l	11-Jan-05 09:45	ERS
Iron, Dissolved		73.	ug/l	11-Jan-05 09:45	ERS
SW-846 METHOD 6020					
Arsenic, Dissolved	<	1.0	ug/l	17-Jan-05 14:00	KJP
Cadmium, Dissolved	<	1.0	ug/l	17-Jan-05 14:00	KJP
Manganese, Dissolved		180	ug/l	17-Jan-05 14:00	KJP
Lead, Dissolved	<	1.0	ug/l	17-Jan-05 14:00	KJP
Zinc, Dissolved	<	6.0	ug/l	17-Jan-05 14:00	KJP

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Laboratory Results

Waste Group
5450 Wansford Way, Suite 201B

Rockford, IL 61109-1759

Attn: Mr. Evan Buskohl

Date Received: 07-Jan-05
Date Reported: 14-Feb-05
PO #: Pagel N-GW
PDC Cust. # : 209324

Login No. 05011635

Sample No: 05011635-32
Client ID: PAGEL/NORTH
Site: SG3
Locator: PAGEL PIT
Collect Date: 05-JAN-05 11:02

Parameter		Result	Units	Date	By
EPA METHOD 300.0 rev 2.1					
Chloride, Dissolved		50.	mg/l	07-Jan-05 10:48	pli
SM METHOD 4500 CN C,E / SW-846 METHOD 9012					
Cyanide, Total	<	0.0050	mg/l	13-Jan-05 14:19	lgjfa
SM METHOD 4500 NH3 D / EPA METHOD 350.1 (Phenate)					
Nitrogen, Ammonia as N, Diss.	<	0.10	mg/l	13-Jan-05 11:41	TIN
EPA METHOD 300.0 rev 2.1					
Nitrate as N, Diss.		6.7	mg/l	07-Jan-05 10:48	pli
SM METHOD 5530 B,D / SW-846 METHOD 9066 / EPA METHOD 420.2					
Phenolics	<	0.0050	mg/l	14-Jan-05 13:07	lgjfa
EPA METHOD 300.0 rev. 2.1					
Sulfate, Dissolved		56.	mg/l	07-Jan-05 10:48	pli
SM METHOD 2540 C					
Solids, Total Dissolved, Filtered		440	mg/l	10-Jan-05 11:04	KT
SW-846 METHOD 6010B					
Boron, Dissolved		19.	ug/l	11-Jan-05 09:45	ERS
Iron, Dissolved		56.	ug/l	11-Jan-05 09:45	ERS
SW-846 METHOD 6020					
Arsenic, Dissolved	<	1.0	ug/l	17-Jan-05 14:00	KJP
Cadmium, Dissolved	<	1.0	ug/l	17-Jan-05 14:00	KJP
Manganese, Dissolved		42.	ug/l	17-Jan-05 14:00	KJP
Lead, Dissolved	<	1.0	ug/l	17-Jan-05 14:00	KJP
Zinc, Dissolved	<	6.0	ug/l	17-Jan-05 14:00	KJP

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Laboratory Results

Waste Group
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Rockford, IL 61109-1759

Attn: Mr. Evan Buskohl

Date Received: 07-Jan-05
Date Reported: 14-Feb-05
PO #: Pagel N-GW
PDC Cust. # : 209324

Login No. 05011635

Sample No: 05011635-33
Client ID: PAGEL/NORTH
Site: SG4
Locator: PAGEL PIT
Collect Date: 05-JAN-05 09:00

Parameter		Result	Units	Date	By
EPA METHOD 300.0 rev 2.1					
Chloride, Dissolved		53.	mg/l	07-Jan-05 08:30	pli
SM METHOD 4500 CN C,E / SW-846 METHOD 9012					
Cyanide, Total	<	0.0050	mg/l	13-Jan-05 14:20	lgjfa
SM METHOD 4500 NH3 D / EPA METHOD 350.1 (Phenate)					
Nitrogen, Ammonia as N, Diss.		0.53	mg/l	13-Jan-05 11:41	TIN
EPA METHOD 300.0 rev 2.1					
Nitrate as N, Diss.		6.1	mg/l	07-Jan-05 08:30	pli
SM METHOD 5530 B,D / SW-846 METHOD 9066 / EPA METHOD 420.2					
Phenolics	<	0.0050	mg/l	14-Jan-05 13:08	lgjfa
EPA METHOD 300.0 rev. 2.1					
Sulfate, Dissolved		53.	mg/l	07-Jan-05 08:30	pli
SM METHOD 2540 C					
Solids, Total Dissolved, Filtered		430	mg/l	10-Jan-05 11:04	KT
SW-846 METHOD 6010B					
Boron, Dissolved		25.	ug/l	11-Jan-05 09:45	ERS
Iron, Dissolved		87.	ug/l	11-Jan-05 09:45	ERS
SW-846 METHOD 6020					
Arsenic, Dissolved	<	1.0	ug/l	17-Jan-05 14:00	KJP
Cadmium, Dissolved	<	1.0	ug/l	17-Jan-05 14:00	KJP
Manganese, Dissolved		28.	ug/l	17-Jan-05 14:00	KJP
Lead, Dissolved	<	1.0	ug/l	17-Jan-05 14:00	KJP
Zinc, Dissolved	<	6.0	ug/l	17-Jan-05 14:00	KJP

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Waste Group
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Rockford, IL 61109-1759

Attn: Mr. Evan Buskohl

Date Received: 07-Jan-05
Date Reported: 14-Feb-05
PO #: Pagel N-GW
PDC Cust. # : 209324

Login No. 05011635

Sample No: 05011635-34
Client ID: PAGEL/NORTH
Site: FIELD BLANK
Locator: PAGEL PIT
Collect Date: 05-JAN-05 11:20

Parameter		Result	Units	Date	By
EPA METHOD 300.0 rev 2.1					
Chloride, Dissolved	<	1.0	mg/l	07-Jan-05 10:40	pli
SM METHOD 4500 CN C,E / SW-846 METHOD 9012					
Cyanide, Total	<	0.0050	mg/l	13-Jan-05 14:21	lgjfa
SM METHOD 4500 NH3 D / EPA METHOD 350.1 (Phenate)					
Nitrogen, Ammonia as N, Diss.	<	0.10	mg/l	13-Jan-05 11:41	TIN
EPA METHOD 300.0 rev 2.1					
Nitrate as N, Diss.	<	0.020	mg/l	07-Jan-05 10:40	pli
SM METHOD 5530 B,D / SW-846 METHOD 9066 / EPA METHOD 420.2					
Phenolics	<	0.0050	mg/l	14-Jan-05 13:11	lgjfa
EPA METHOD 300.0 rev. 2.1					
Sulfate, Dissolved	<	1.0	mg/l	07-Jan-05 10:40	pli
SM METHOD 2540 C					
Solids, Total Dissolved, Filtered	<	17.	mg/l	12-Jan-05 10:13	KD/KT
SW-846 METHOD 6010B					
Boron, Dissolved	<	10.	ug/l	11-Jan-05 09:45	ERS
Iron, Dissolved	<	10.	ug/l	11-Jan-05 09:45	ERS
SW-846 METHOD 6020					
Arsenic, Dissolved	<	1.0	ug/l	17-Jan-05 14:00	KJP
Cadmium, Dissolved	<	1.0	ug/l	17-Jan-05 14:00	KJP
Manganese, Dissolved	<	1.0	ug/l	17-Jan-05 14:00	KJP
Lead, Dissolved	<	1.0	ug/l	17-Jan-05 14:00	KJP
Zinc, Dissolved	<	6.0	ug/l	17-Jan-05 14:00	KJP

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Laboratory Results

Waste Group
5450 Wansford Way, Suite 201B

Rockford, IL 61109-1759

Attn: Mr. Evan Buskohl

Date Received: 07-Jan-05
Date Reported: 14-Feb-05
PO #: Pagel N-GW
PDC Cust. # : 209324

Login No. 05011635

Sample No: 05011635-35
Client ID: PAGEL/NORTH
Site: EQUIP BLANK
Locator: PAGEL PIT
Collect Date: 06-JAN-05 12:15

Parameter		Result	Units	Date	By
EPA METHOD 300.0 rev 2.1					
Chloride, Dissolved	<	1.0	mg/l	08-Jan-05 11:14	pli
SM METHOD 4500 CN C,E / SW-846 METHOD 9012					
Cyanide, Total	<	0.0050	mg/l	13-Jan-05 14:22	lgjfa
SM METHOD 4500 NH3 D / EPA METHOD 350.1 (Phenate)					
Nitrogen, Ammonia as N, Diss.	<	0.10	mg/l	13-Jan-05 11:41	TIN
EPA METHOD 300.0 rev 2.1					
Nitrate as N, Diss.	<	0.020	mg/l	08-Jan-05 11:14	pli
SM METHOD 5530 B,D / SW-846 METHOD 9066 / EPA METHOD 420.2					
Phenolics	<	0.0050	mg/l	14-Jan-05 13:12	lgjfa
EPA METHOD 300.0 rev. 2.1					
Sulfate, Dissolved	<	1.0	mg/l	08-Jan-05 11:14	pli
SM METHOD 2540 C					
Solids, Total Dissolved, Filtered	<	17.	mg/l	10-Jan-05 11:05	KT
SW-846 METHOD 6010B					
Boron, Dissolved	<	10.	ug/l	11-Jan-05 09:45	ERS
Iron, Dissolved	<	10.	ug/l	11-Jan-05 09:45	ERS
SW-846 METHOD 6020					
Arsenic, Dissolved	<	1.0	ug/l	17-Jan-05 14:00	KJP
Cadmium, Dissolved	<	1.0	ug/l	17-Jan-05 14:00	KJP
Manganese, Dissolved	<	1.0	ug/l	17-Jan-05 14:00	KJP
Lead, Dissolved	<	1.0	ug/l	17-Jan-05 14:00	KJP
Zinc, Dissolved	<	6.0	ug/l	17-Jan-05 14:00	KJP

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Report Cover Page

Waste Group
5450 Wansford Way, Suite 201B

Rockford, IL 61109-1759

Attn: Mr. Evan Buskohl

Date Received: 07-Jan-05
Date Reported: 11-Feb-05
PO #: Pagel N-LCH
PDC Cust. # : 209324

Login No. 05011634

This report includes information regarding the following described samples as received by the laboratory and is only valid for the parameters tested. This report contains 2 results page(s) not including the cover page(s).

Sample No.	Client ID	Site	Locator
05011634-1	PAGEL/NORTH/LCH	L313	PAGEL PIT

Certified by: Dorothy W. Rothert
Dorothy W. Rothert, Project Manager

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Laboratory Results

Waste Group
5450 Wansford Way, Suite 201B

Rockford, IL 61109-1759

Attn: Mr. Evan Buskohl

Date Received: 07-Jan-05
Date Reported: 11-Feb-05
PO #: Pagel N-LCH
PDC Cust. # : 209324

Login No. 05011634

Sample No: 05011634-1
Client ID: PAGEL/NORTH/LCH
Site: L313
Locator: PAGEL PIT
Collect Date: 06-JAN-05 12:30

Parameter		Result	Units	Date	By
SM METHOD 5210 B					
Biochemical Oxygen Demand		1000	mg/l	07-Jan-05 09:42	JAM
SM METHOD 4500 CN C,E / SW-846 METHOD 9012					
Cyanide, Total	<	0.0050	mg/l	13-Jan-05 14:23	lgjfa
SM METHOD 5220 D					
Chemical Oxygen Demand		9200	mg/l	14-Jan-05 14:00	BY
SM METHOD 3500 Cr D / SW-846 METHOD 7196A					
Chromium, Hexavalent	<	0.25	mg/l	07-Jan-05 10:12	TIN
SM METHOD 4500 F C					
Fluoride		0.83	mg/l	07-Jan-05 07:40	ESH
EPA METHOD 1664 rev. February 1999					
Hexane Ext. Material (HEM) by SPE		42.	mg/l	18-Jan-05 16:00	JS
SM METHOD 4500 NH3 D / EPA METHOD 350.1 (Phenate)					
Nitrogen, Ammonia as N		3700	mg/l	11-Jan-05 12:07	TCH
SM METHOD 5530 B,D / SW-846 METHOD 9066 / EPA METHOD 420.2					
Phenolics		2.6	mg/l	17-Jan-05 14:19	lgjfa
SM METHOD 2540 C					
Solids, Total Dissolved		15000	mg/l	07-Jan-05 14:00	KD/KT
SM METHOD 2540 D					
Solids, Total Suspended		290	mg/l	10-Jan-05 13:52	KJB
SW-846 METHOD 3015					
Sample Preparation	P			12-Jan-05 10:45	NJS
SW-846 METHOD 6010B					
Iron		7.0	mg/l	12-Jan-05 12:45	ERS
SW-846 METHOD 6020					
Silver	<	0.0050	mg/l	13-Jan-05 10:00	KJP
Arsenic		1.8	mg/l	13-Jan-05 10:00	KJP
Barium		0.66	mg/l	13-Jan-05 10:00	KJP
Cadmium	<	0.0010	mg/l	13-Jan-05 10:00	KJP
Chromium		1.3	mg/l	13-Jan-05 10:00	KJP
Copper		0.023	mg/l	13-Jan-05 10:00	KJP
Mercury		0.0063	mg/l	13-Jan-05 10:00	KJP
Manganese		0.043	mg/l	13-Jan-05 10:00	KJP

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Laboratory Results

Waste Group
5450 Wansford Way, Suite 201B

Rockford, IL 61109-1759

Attn: Mr. Evan Buskohl

Date Received: 07-Jan-05
Date Reported: 11-Feb-05
PO #: Pagel N-LCH
PDC Cust. # : 209324

Login No. 05011634

Sample No: 05011634-1
Client ID: PAGEL/NORTH/LCH
Site: L313
Locator: PAGEL PIT
Collect Date: 06-JAN-05 12:30

Parameter		Result	Units	Date	By
Nickel		1.0	mg/l	13-Jan-05 10:00	KJP
Phosphorus		34.	mg/l	19-Jan-05 10:00	KJP
Lead		0.018	mg/l	13-Jan-05 10:00	KJP
Zinc		0.061	mg/l	13-Jan-05 10:00	KJP
SM METHOD 9222 D					
Fecal Coliform	<	10	cfu/100 ml	07-Jan-05 10:00	JAB

GROUNDWATER SAMPLING RECORD

Site/Project Name/Permit No. **Pagel Pit** North

Monitoring Well/Point 3M Date: 1/5/5 Start Time: 1050

Field Personnel: DMB Finish Time: 1110

Well Depth (Bottom) From MP: 7240 ft

Depth to Water From MP (Prepurges) 4342 ft Well Water Volume: _____ gal

Water Column Length: _____ ft Water Evacuated: _____ gal
(Pipe ID: 1.5" - 0.092 gal/ft, 2"-0.16 gal/ft, 2.5 - 0.26 gal/ft)

Evacuated with: ____ Teflon Bailer ____ Waterra V Bladder ____ Electric Pump ____ Other (specify)

Sampled with: ____ Teflon Bailer ____ Waterra X Bladder ____ Electric Pump ____ Other (specify)

Sample Appearance: Odor: None Color: Clear Turbidity: Trace

Weather: Snowing 25°F Wind NW 10-15 mph

Environment: Snow Covered

Remarks/Well Condition: MTD 7643

Time Unfiltered:	Collected	Parameter (5)
	Y / N	VOA (40mL)
	Y / N	TOX (250 mL)
	Y / N	TOC (40 mL)
	Y / N	Organics (1/2 gal)
	(Y) N	Phenol (250 mL)
	(Y) N	CN- (250 mL)
	Y / N	Grease & Oil (1 L)
	Y / N	Metals (Total) (500 mL)
	Y / N	General (500 mL)
	Y / N	Ammonia (500 mL)
	Y / N	
	Y / N	

Filtered:		Field Filtered Inorganics (Y) / N
	(Y) N	Metals (500 mL)
	(Y) N	Ammonia/NO_2/NO_3 (500 mL)
	(Y) N	General (500 mL)

Well Integrity Form	Yes	No
1. Does well have identification sign?	X	
2. Does well have protective posts?	X	
3. Is the protective casing locked and does key work?	X	
4. Is the well free of damage and in good shape?	X	
5. Does well cap fit securely?	X	
6. Is the well cap vented?	X	
7. Does the area around the well appear clean?	X	
8. Is the casing secure?	X	
9. Is surface seal void of erosion around/under the base?	X	
10. Is the surface seal free of cracks?	X	
11. Is the surface seal sloped?	X	
12. Is the locking cap free of rust?		X
13. Any obstruction or kinks in the well?		X
14. Does bladder pump & appurtenances work properly?	X	
15. Is there any evidence of natural contamination?		X
16. Any presence of water in annular space?		X
17. Has well or protective casing been recently painted?		X
18. Any grease/unnatural substances on the top of well?		X
19. Are there weep holes at the bottom of casing?		X

Purge	Time	Gal / L	pH	Spec Con	Temp
1st Vol			7.25	7.04	49.6
2nd Vol			7.27	7.12	49.5
3rd Vol			7.31	7.12	49

Initial	Std	Read	Adjust
pH	4.00		4.00
	7.00		7.00
	10.00		10.00
Spec Con	1000		1000

Sampler's Signature: DMBaum

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GROUNDWATER SAMPLING RECORD

Site/Project Name/Permit No. **Pagel Pit** North

Monitoring Well/Point [illegible] Date: 1/5/5 Start Time: 1025

Field Personnel: [illegible] Finish Time: 1040

Well Depth (Bottom) From MP: 52.43 ft

Depth to Water From MP (Prepurges) [illegible] ft Well Water Volume: _____ gal

Water Column Length: _____ ft Water Evacuated: _____ gal

(Pipe ID: 1.5" - 0.092 gal/ft, 2"-0.16 gal/ft, 2.5 - 0.26 gal/ft)

Evacuated with: ____ Teflon Bailer ____ Waterra X Bladder ____ Electric Pump ____ Other (specify)

Sampled with: ____ Teflon Bailer ____ Waterra ____ Bladder ____ Electric Pump ____ Other (specify)

Sample Appearance: Odor: none Color: Clear Turbidity: trace

Weather: Snowing 25°F Wind NW 10-15 mph

Environment: Snow Ground

Remarks/Well Condition: No Lock NTD 5261

Time Unfiltered:	Collected	Parameter (5)
	Y / N	VOA (40mL)
	Y / N	TOX (250 mL)
	Y / N	TOC (40 mL)
	Y / N	Organics (1/2 gal)
	(Y) / N	Phenol (250 mL)
	(Y) / N	CN- (250 mL)
	Y / N	Grease & Oil (1 L)
	Y / N	Metals (Total) (500 mL)
	Y / N	General (500 mL)
	Y / N	Ammonia (500 mL)
	Y / N	
	Y / N	

Filtered:		Field Filtered Inorganics (Y / N)
	(Y) / N	Metals (500 mL)
	(Y) / N	Ammonia/NO_2/NO_3 (500 mL)
	(Y) / N	General (500 mL)

Well Integrity Form	Yes	No
1. Does well have identification sign?	Y	
2. Does well have protective posts?	Y	
3. Is the protective casing locked and does key work?		X
4. Is the well free of damage and in good shape?	Y	
5. Does well cap fit securely?	Y	
6. Is the well cap vented?	Y	
7. Does the area around the well appear clean?	Y	
8. Is the casing secure?	Y	
9. Is surface seal void of erosion around/under the base?	Y	
10. Is the surface seal free of cracks?	Y	
11. Is the surface seal sloped?	Y	
12. Is the locking cap free of rust?		Y
13. Any obstruction or kinks in the well?		Y
14. Does bladder pump & appurtenances work properly?	Y	
15. Is there any evidence of natural contamination?		Y
16. Any presence of water in annular space?		Y
17. Has well or protective casing been recently painted?		Y
18. Any grease/unnatural substances on the top of well?		Y
19. Are there weep holes at the bottom of casing?		Y

Purge	Time	Gal / L	pH	Spec Con	Temp
1st Vol			7.11	1000	49.4
2nd Vol			6.92	[illegible]	49.2
3rd Vol			6.93	1660	49

Initial	Std	Read	Adjust
pH	4.00		4.00
	7.00		7.00
	10.00		10.00
Spec Con	1000		1000

Sampler's Signature: [signature]

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GROUNDWATER SAMPLING RECORD

Site/Project Name/Permit No. **Pagel Pit** 40214

Monitoring Well/Point 9D Date: 1/5/5 Start Time: 13.45

Field Personnel: [illegible] Finish Time: ~~[illegible]~~ 13.57 1/5/5 [illegible]

Well Depth (Bottom) From MP: 81.85 ft

Depth to Water From MP (Prepurges) 46.10 ft Well Water Volume: _____ gal

Water Column Length: _____ ft Water Evacuated: _____ gal

(Pipe ID: 1.5" - 0.092 gal/ft, 2"-0.16 gal/ft, 2.5 - 0.26 gal/ft)

Evacuated with: ___ Teflon Bailer ___ Waterra X Bladder ___ Electric Pump ___ Other (specify)

Sampled with: ___ Teflon Bailer ___ Waterra X Bladder ___ Electric Pump ___ Other (specify)

Sample Appearance: Odor: None Color: Clear Turbidity: trace

Weather: Snowing 25° Wind N.W 10-15 mph

Environment: Snow [illegible]

Remarks/Well Condition: 81.80

(5)

Time Unfiltered:	Collected	Parameter
	Y / N	VOA (40mL)
	Y / N	TOX (250 mL)
	Y / N	TOC (40 mL)
	Y / N	Organics (1/2 gal)
	(Y) / N	Phenol (250 mL)
	(Y) / N	CN- (250 mL)
	Y / N	Grease & Oil (1 L)
	Y / N	Metals (Total) (500 mL)
	Y / N	General (500 mL)
	Y / N	Ammonia (500 mL)
	Y / N	
	Y / N	

Well Integrity Form	Yes	No
1. Does well have identification sign?	X	
2. Does well have protective posts?	Y	
3. Is the protective casing locked and does key work?	Y	
4. Is the well free of damage and in good shape?	Y	
5. Does well cap fit securely?	Y	
6. Is the well cap vented?	Y	
7. Does the area around the well appear clean?	Y	
8. Is the casing secure?	Y	
9. Is surface seal void of erosion around/under the base?	Y	
10. Is the surface seal free of cracks?	Y	
11. Is the surface seal sloped?	X	
12. Is the locking cap free of rust?		Y
13. Any obstruction or kinks in the well?		X
14. Does bladder pump & appurtenances work properly?	Y	
15. Is there any evidence of natural contamination?		Y
16. Any presence of water in annular space?		Y
17. Has well or protective casing been recently painted?		Y
18. Any grease/unnatural substances on the top of well?		/
19. Are there weep holes at the bottom of casing?	Y	

Filtered: Field Filtered Inorganics (Y) / N

	Collected	Parameter
	(Y) / N	Metals (500 mL)
	(Y) / N	Ammonia/NO_2/NO_3 (500 mL)
	(Y) / N	General (500 mL)

Purge	Time	Gal / L	pH	Spec Con	Temp
1st Vol			675	1350	50
2nd Vol			674	1360	50
3rd Vol			676	1366	52

Initial	Std	Read	Adjust
pH	4.00		4.00
	7.00		7.00
	10.00		10.00
Spec Con	1000		1000

Sampler's Signature: [signature]

GROUNDWATER SAMPLING RECORD

Site/Project Name/Permit No. **Pagel Pit** North

Monitoring Well/Point 9M Date: 1/5/5 Start Time: 1310

Field Personnel: DMB Finish Time: 1330

Well Depth (Bottom) From MP: 50.40 ft

Depth to Water From MP (Prepurges) 44.65 ft Well Water Volume: _____ gal

Water Column Length: _____ ft Water Evacuated: _____ gal
(Pipe ID: 1.5" - 0.092 gal/ft, 2"-0.16 gal/ft, 2.5 - 0.26 gal/ft)

Evacuated with: ____ Teflon Bailer ____ Waterra V Bladder ____ Electric Pump ____ Other (specify)

Sampled with: ____ Teflon Bailer ____ Waterra 1 Bladder ____ Electric Pump ____ Other (specify)

Sample Appearance: Odor: None Color: Clear Turbidity: Trace

Weather: Snowing 25°F Wind NW 10-15 mph

Environment: Snow Covered

Remarks/Well Condition: MTD 50.57

Time Collected Unfiltered:		Parameter (5)
	Y / N	VOA (40mL)
	Y / N	TOX (250 mL)
	Y / N	TOC (40 mL)
	Y / N	Organics (1/2 gal)
	(Y) / N	Phenol (250 mL)
	(Y) / N	CN- (250 mL)
	Y / N	Grease & Oil (1 L)
	Y / N	Metals (Total) (500 mL)
	Y / N	General (500 mL)
	Y / N	Ammonia (500 mL)
	Y / N	
	Y / N	

Well Integrity Form	Yes	No
1. Does well have identification sign?	Y	
2. Does well have protective posts?	Y	
3. Is the protective casing locked and does key work?	Y	
4. Is the well free of damage and in good shape?	Y	
5. Does well cap fit securely?	Y	
6. Is the well cap vented?	Y	
7. Does the area around the well appear clean?	Y	
8. Is the casing secure?	Y	
9. Is surface seal void of erosion around/under the base?	N	
10. Is the surface seal free of cracks?	N	
11. Is the surface seal sloped?	Y	
12. Is the locking cap free of rust?		N
13. Any obstruction or kinks in the well?		N
14. Does bladder pump & appurtenances work properly?	Y	
15. Is there any evidence of natural contamination?	Y	N
16. Any presence of water in annular space?		N
17. Has well or protective casing been recently painted?		N
18. Any grease/unnatural substances on the top of well?		N
19. Are there weep holes at the bottom of casing?		N

Filtered:		Field Filtered Inorganics (Y) / N
	(Y) / N	Metals (500 mL)
	(Y) / N	Ammonia/NO_2/NO_3 (500 mL)
	(Y) / N	General (500 mL)

Purge	Time	Gal / L	pH	Spec Con	Temp
1st Vol			6.93	1538	46.9
2nd Vol			6.91	1525	46.7
3rd Vol			6.90	1520	46.5

Initial	Std	Read	Adjust
pH	4.00		4.00
	7.00		7.00
	10.00		10.00
Spec Con	1000		1000

Sampler's Signature: DMB

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GROUNDWATER SAMPLING RECORD

Site/Project Name/Permit No. Pagel Pit NORTH

Monitoring Well/Point G119 Date: 1-5-05 Start Time: _____

Field Personnel: TM Finish Time: 9:10

Well Depth (Bottom) From MP: 22.57 ft

Depth to Water From MP (Prepurges) 15.00 ft Well Water Volume: _____ gal

Water Column Length: _____ ft Water Evacuated: _____ gal
(Pipe ID: 1.5" - 0.092 gal/ft, 2"-0.16 gal/ft, 2.5 - 0.26 gal/ft)

Evacuated with: ____ Teflon Bailer ____ Waterra X Bladder ____ Electric Pump ____ Other (specify)

Sampled with: ____ Teflon Bailer ____ Waterra X Bladder ____ Electric Pump ____ Other (specify)

Sample Appearance: Odor: NONE Color: BROWN Turbidity: SLIGHT

Weather: SNOW 25°

Environment: FROZEN GROUND

Remarks/Well Condition: PASSIVE SAMPLE 22.57

Time Unfiltered:	Collected	Parameter
	Y / N	VOA (40mL)
	Y / N	TOX (250 mL)
	Y / N	TOC (40 mL)
	Y / N	Organics (1/2 gal)
	(Y) / N	Phenol (250 mL)
	(Y) / N	CN- (250 mL)
	Y / N	Grease & Oil (1 L)
	Y / N	Metals (Total) (500 mL)
	Y / N	General (500 mL)
	Y / N	Ammonia (500 mL)
	Y / N	
	Y / N	

Well Integrity Form	Yes	No
1. Does well have identification sign?	X	
2. Does well have protective posts?		X
3. Is the protective casing locked and does key work?	X	
4. Is the well free of damage and in good shape?	X	
5. Does well cap fit securely?	X	
6. Is the well cap vented?	X	
7. Does the area around the well appear clean?	X	
8. Is the casing secure?	X	
9. Is surface seal void of erosion around/under the base?		
10. Is the surface seal free of cracks?		
11. Is the surface seal sloped?	X	
12. Is the locking cap free of rust?	X	
13. Any obstruction or kinks in the well?		X
14. Does bladder pump & appurtenances work properly?	X	
15. Is there any evidence of natural contamination?		X
16. Any presence of water in annular space?		X
17. Has well or protective casing been recently painted?		X
18. Any grease/unnatural substances on the top of well?		X
19. Are there weep holes at the bottom of casing?		X

Filtered:		Field Filtered Inorganics (Y) / N
	(Y) / N	Metals (500 mL)
	(Y) / N	Ammonia/NO_2/NO_3 (500 mL)
	(Y) / N	General (500 mL)

Purge	Time	Gal / L	pH	Spec Con	Temp
1st Vol			7.94	535	9.1
2nd Vol					
3rd Vol					

Initial	Std	Read	Adjust
pH	4.00		4.00
	7.00		7.00
	10.00		10.00
Spec Con	1000		1000

Sampler's Signature: _____

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GROUNDWATER SAMPLING RECORD

Site/Project Name/Permit No. **Pagel Pit** Month

Monitoring Well/Point G-130 Date: 1/5/5 Start Time: 1130

Field Personnel: DMB Finish Time: 9:45

Well Depth (Bottom) From MP: 16.10 ft

Depth to Water From MP (Prepurges) 7.51 ft Well Water Volume: _____ gal

Water Column Length: _____ ft Water Evacuated: _____ gal
(Pipe ID: 1.5" - 0.092 gal/ft, 2"-0.16 gal/ft, 2.5 - 0.26 gal/ft)

Evacuated with: ____ Teflon Bailer ____ Waterra X Bladder ____ Electric Pump ____ Other (specify)

Sampled with: ____ Teflon Bailer ____ Waterra X Bladder ____ Electric Pump ____ Other (specify)

Sample Appearance: Odor: None Color: Clear Turbidity: Low

Weather: Snowing 25°F WNW 10 mph

Environment: Snow Cover

Remarks/Well Condition: NTD 16.14

Time Collected Unfiltered:		Parameter (3)
	Y / N	VOA (40mL)
	Y / N	TOX (250 mL)
	Y / N	TOC (40 mL)
	Y / N	Organics (1/2 gal)
	(Y) / N	Phenol (250 mL)
	(Y) / N	CN- (250 mL)
	Y / N	Grease & Oil (1 L)
	Y / N	Metals (Total) (500 mL)
	Y / N	General (500 mL)
	Y / N	Ammonia (500 mL)
	Y / N	
	Y / N	

Well Integrity Form	Yes	No
1. Does well have identification sign?	X	
2. Does well have protective posts?		X
3. Is the protective casing locked and does key work?	X	
4. Is the well free of damage and in good shape?	X	
5. Does well cap fit securely?	X	
6. Is the well cap vented?	X	
7. Does the area around the well appear clean?	X	
8. Is the casing secure?	X	
9. Is surface seal void of erosion around/under the base?	X	
10. Is the surface seal free of cracks?	X	
11. Is the surface seal sloped?	X	
12. Is the locking cap free of rust?		X
13. Any obstruction or kinks in the well?		X
14. Does bladder pump & appurtenances work properly?	X	
15. Is there any evidence of natural contamination?		X
16. Any presence of water in annular space?		X
17. Has well or protective casing been recently painted?		X
18. Any grease/unnatural substances on the top of well?		X
19. Are there weep holes at the bottom of casing?		X

Filtered: Field Filtered Inorganics (Y) N

	(Y) / N	Metals (500 mL)
	(Y) / N	Ammonia/NO_2/NO_3 (500 mL)
	(Y) / N	General (500 mL)

Purge	Time	Gal / L	pH	Spec Con	Temp
1st Vol			7.13	770	4.9
2nd Vol			7.14	792	4.9
3rd Vol			7.15	805	4.9

Initial	Std	Read	Adjust
pH	4.00		4.00
	7.00		7.00
	10.00		10.00
Spec Con	1000		1000

Sampler's Signature: DM Brown

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GROUNDWATER SAMPLING RECORD

Site/Project Name/Permit No. Pagel Pit

Monitoring Well/Point 14D Date: 1/5/5 Start Time: _____

Field Personnel: DMB Finish Time: 14<15

Well Depth (Bottom) From MP: 47.91 ft

Depth to Water From MP (Prepurges) 43.05 ft Well Water Volume: _____ gal

Water Column Length: _____ ft Water Evacuated: _____ gal
(Pipe ID: 1.5" - 0.092 gal/ft, 2"-0.16 gal/ft, 2.5 - 0.26 gal/ft)

Evacuated with: ____ Teflon Bailer ____ Waterra X Bladder ____ Electric Pump ____ Other (specify)

Sampled with: ____ Teflon Bailer ____ Waterra 1 Bladder ____ Electric Pump ____ Other (specify)

Sample Appearance: Odor: None Color: Clear Turbidity: trace

Weather: Snowing 35°F dew N.W 10-15 mph

Environment: Snow Cover

Remarks/Well Condition: No Lock N.T.D 47.90

Time Unfiltered:	Collected	Parameter (5)
	Y / N	VOA (40mL)
	Y / N	TOX (250 mL)
	Y / N	TOC (40 mL)
	Y / N	Organics (1/2 gal)
	(Y) N	Phenol (250 mL)
	(Y) N	CN- (250 mL)
	Y / N	Grease & Oil (1 L)
	Y / N	Metals (Total) (500 mL)
	Y / N	General (500 mL)
	Y / N	Ammonia (500 mL)
	Y / N	
	Y / N	

Well Integrity Form	Yes	No
1. Does well have identification sign?		X
2. Does well have protective posts?		Y
3. Is the protective casing locked and does key work?		X
4. Is the well free of damage and in good shape?	Y	
5. Does well cap fit securely?	Y	
6. Is the well cap vented?	X	
7. Does the area around the well appear clean?	Y	
8. Is the casing secure?	Y	
9. Is surface seal void of erosion around/under the base?	X	
10. Is the surface seal free of cracks?	Y	
11. Is the surface seal sloped?	Y	
12. Is the locking cap free of rust?		Y
13. Any obstruction or kinks in the well?		Y
14. Does bladder pump & appurtenances work properly?	Y	
15. Is there any evidence of natural contamination?		X
16. Any presence of water in annular space?		X
17. Has well or protective casing been recently painted?		X
18. Any grease/unnatural substances on the top of well?		X
19. Are there weep holes at the bottom of casing?		X

Filtered: Field Filtered Inorganics (Y) N

(Y) / N Metals (500 mL)

(Y) / N Ammonia/NO_2/NO_3 (500 mL)

(Y) / N General (500 mL)

Purge	Time	Gal / L	pH	Spec Con	Temp
1st Vol			6.69	1336	49.6
2nd Vol			6.71	1335	49.7
3rd Vol			6.72	1346	49.7

Initial	Std	Read	Adjust
pH	4.00		4.00
	7.00		7.00
	10.00		10.00
Spec Con	1000		1000

Sampler's Signature: _____

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GROUNDWATER SAMPLING RECORD

Site/Project Name/Permit No. **Pagel Pit** north

Monitoring Well/Point 15S   Date: 1/5/15   Start Time: 1440

Field Personnel: DMB   Finish Time: 15

Well Depth (Bottom) From MP: 47.55 ft

Depth to Water From MP (Prepurges) 39.42 ft   Well Water Volume: ______ gal

Water Column Length: ______ ft   Water Evacuated: ______ gal

(Pipe ID: 1.5" - 0.092 gal/ft, 2"-0.16 gal/ft, 2.5 - 0.26 gal/ft)

Evacuated with: ____ Teflon Bailer ____ Waterra X Bladder ____ Electric Pump ____ Other (specify)

Sampled with: ____ Teflon Bailer ____ Waterra Y Bladder ____ Electric Pump ____ Other (specify)

Sample Appearance: Odor: None   Color: Clear   Turbidity: trace

Weather: Snowing 25°F Wind N.W. 10-15 mph

Environment: snow covered

Remarks/Well Condition: M.T.D 47.57

Time	Collected	Parameter (5)
Unfiltered:		
	Y / N	VOA (40mL)
	Y / N	TOX (250 mL)
	Y / N	TOC (40 mL)
	Y / N	Organics (1/2 gal)
	(Y) / N	Phenol (250 mL)
	(Y) / N	CN- (250 mL)
	Y / N	Grease & Oil (1 L)
	Y / N	Metals (Total) (500 mL)
	Y / N	General (500 mL)
	Y / N	Ammonia (500 mL)
	Y / N	
	Y / N	
Filtered:		Field Filtered Inorganics Y / N
	(Y) / N	Metals (500 mL)
	(Y) / N	Ammonia/NO_2NO_3 (500 mL)
	(Y) / N	General (500 mL)

Well Integrity Form	Yes	No
1. Does well have identification sign?		X
2. Does well have protective posts?		Y
3. Is the protective casing locked and does key work?		X
4. Is the well free of damage and in good shape?	Y	
5. Does well cap fit securely?	Y	
6. Is the well cap vented?	Y	
7. Does the area around the well appear clean?	Y	
8. Is the casing secure?	Y	
9. Is surface seal void of erosion around/under the base?	Y	
10. Is the surface seal free of cracks?	Y	
11. Is the surface seal sloped?	Y	
12. Is the locking cap free of rust?		Y
13. Any obstruction or kinks in the well?		Y
14. Does bladder pump & appurtenances work properly?	X	
15. Is there any evidence of natural contamination?		Y
16. Any presence of water in annular space?		Y
17. Has well or protective casing been recently painted?		Y
18. Any grease/unnatural substances on the top of well?		Y
19. Are there weep holes at the bottom of casing?		X

Purge	Time	Gal / L	pH	Spec Con	Temp
1st Vol			7.44	3010	49.1
2nd Vol			7.45	3000	49
3rd Vol			7.46	2990	49

Initial	Std	Read	Adjust
pH	4.00		4.00
	7.00		7.00
	10.00		10.00
Spec Con	1000		1000

Sampler's Signature: [signature]

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GROUNDWATER SAMPLING RECORD

Site/Project Name/Permit No. Pagel Pit — NORTH

Monitoring Well/Point G16D Date: 1-5-05 Start Time: 13:38

Field Personnel: R. ZINSER Finish Time: 13:55

Well Depth (Bottom) From MP: 96.98 ft

Depth to Water From MP (Prepurges) 12.94 ft Well Water Volume: _____ gal

Water Column Length: _____ ft Water Evacuated: _____ gal
(Pipe ID: 1.5" - 0.092 gal/ft, 2"-0.16 gal/ft, 2.5 - 0.26 gal/ft)

Evacuated with: ____ Teflon Bailer ____ Waterra X Bladder ____ Electric Pump ____ Other (specify)

Sampled with: ____ Teflon Bailer ____ Waterra X Bladder ____ Electric Pump ____ Other (specify)

Sample Appearance: Odor: No Color: Clear Turbidity: Slight

Weather: Snow 25% Winds 10 mph NW (KZ 1-5-05)

Environment: Snow - Wooded

Remarks/Well Condition: _____

Time Unfiltered:	Collected	Parameter
	Y / N	VOA (40mL)
	Y / N	TOX (250 mL)
	Y / N	TOC (40 mL)
	Y / N	Organics (1/2 gal)
13:55	(Y) / N	Phenol (250 mL)
	(Y) / N	CN- (250 mL)
	Y / N	Grease & Oil (1 L)
	Y / N	Metals (Total) (500 mL)
	Y / N	General (500 mL)
	Y / N	Ammonia (500 mL)
	Y / N	
	Y / N	

(5)

Well Integrity Form	Yes	No
1. Does well have identification sign?	X	
2. Does well have protective posts?		X
3. Is the protective casing locked and does key work?	X	
4. Is the well free of damage and in good shape?	X	
5. Does well cap fit securely?	X	
6. Is the well cap vented?	X	
7. Does the area around the well appear clean?		X
8. Is the casing secure?		X
9. Is surface seal void of erosion around/under the base?		X
10. Is the surface seal free of cracks?		X
11. Is the surface seal sloped?		X
12. Is the locking cap free of rust?		X
13. Any obstruction or kinks in the well?		X
14. Does bladder pump & appurtenances work properly?	X	
15. Is there any evidence of natural contamination?		X
16. Any presence of water in annular space?		X
17. Has well or protective casing been recently painted?		X
18. Any grease/unnatural substances on the top of well?		X
19. Are there weep holes at the bottom of casing?		X

Filtered:		Field Filtered Inorganics Y / N
	(Y) / N	Metals (500 mL)
	(Y) / N	Ammonia/NO_2/NO_3 (500 mL)
	(Y) / N	General (500 mL)

Purge	Time	Gal / L	pH	Spec Con	Temp
1st Vol			7.80	480	11°c
2nd Vol			7.89	480	11°c
3rd Vol			7.87	480	11°c

Initial	Std	Read	Adjust
pH	4.00		4.00
	7.00		7.00
	10.00		10.00
Spec Con	1000		1000

Sampler's Signature: _____

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GROUNDWATER SAMPLING RECORD

Site/Project Name/Permit No. Pagel Pit - NORTH

Monitoring Well/Point G16M Date: 1-5-05 Start Time: 13:00

Field Personnel: R. ZINSER Finish Time: 13:35

Well Depth (Bottom) From MP: 45.00 ft

Depth to Water From MP (Prepurges) 12.12 ft Well Water Volume: _____ gal

Water Column Length: _____ ft Water Evacuated: _____ gal
(Pipe ID: 1.5" - 0.092 gal/ft, 2"-0.16 gal/ft, 2.5 - 0.26 gal/ft)

Evacuated with: ____ Teflon Bailer ____ Waterra X Bladder ____ Electric Pump ____ Other (specify)

Sampled with: ____ Teflon Bailer ____ Waterra X Bladder ____ Electric Pump ____ Other (specify)

Sample Appearance: Odor: No Color: Clear Turbidity: Slight

Weather: Snow 25° Winds 10 mph NW

Environment: Snow - Wooded

Remarks/Well Condition:

Time Collected Unfiltered:		Parameter (5)
	Y / N	VOA (40mL)
	Y / N	TOX (250 mL)
	Y / N	TOC (40 mL)
13:35	(Y) / N	Organics (1/2 gal)
	(Y) / N	Phenol (250 mL)
	(Y) / N	CN- (250 mL)
	Y / N	Grease & Oil (1 L)
	Y / N	Metals (Total) (500 mL)
	Y / N	General (500 mL)
	Y / N	Ammonia (500 mL)
	Y / N	
	Y / N	

Well Integrity Form	Yes	No
1. Does well have identification sign?	X	
2. Does well have protective posts?		X
3. Is the protective casing locked and does key work?		X
4. Is the well free of damage and in good shape?	X	
5. Does well cap fit securely?	X	
6. Is the well cap vented?	X	
7. Does the area around the well appear clean?	X	
8. Is the casing secure?	X	
9. Is surface seal void of erosion around/under the base?	X	
10. Is the surface seal free of cracks?		X
11. Is the surface seal sloped?		X
12. Is the locking cap free of rust?		X
13. Any obstruction or kinks in the well?		X
14. Does bladder pump & appurtenances work properly?	X	
15. Is there any evidence of natural contamination?		X
16. Any presence of water in annular space?		X
17. Has well or protective casing been recently painted?		X
18. Any grease/unnatural substances on the top of well?		X
19. Are there weep holes at the bottom of casing?		X

Filtered:		Field Filtered Inorganics Y / N
	(Y) / N	Metals (500 mL)
	(Y) / N	Ammonia/NO_2/NO_3 (500 mL)
	(Y) / N	General (500 mL)

Purge	Time	Gal / L	pH	Spec Con	Temp
1st Vol			7.93	690	12°C
2nd Vol			7.89	660	12°C
3rd Vol			7.87	660	12°C

Initial	Std	Read	Adjust
pH	4.00		4.00
	7.00		7.00
	10.00		10.00
Spec Con	1000		1000

Sampler's Signature: _____

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GROUNDWATER SAMPLING RECORD

Site/Project Name/Permit No. Pagel Pit NORTH

Monitoring Well/Point G175 Date: 1-5-05 Start Time: ______

Field Personnel: STM Finish Time: 9:32

Well Depth (Bottom) From MP: 25.90 ft

Depth to Water From MP (Prepurges) 16.88 ft Well Water Volume: ______ gal

Water Column Length: ______ ft Water Evacuated: ______ gal

(Pipe ID: 1.5" - 0.092 gal/ft, 2"-0.16 gal/ft, 2.5 - 0.26 gal/ft)

Evacuated with: ___ Teflon Bailer ___ Waterra X Bladder ___ Electric Pump ___ Other (specify)

Sampled with: ___ Teflon Bailer ___ Waterra X Bladder ___ Electric Pump ___ Other (specify)

Sample Appearance: Odor: NONE Color: NONE Turbidity: SLIGHT

Weather: SNOW 25°

Environment: FROZEN GROUND

Remarks/Well Condition: TD 25.92

Time	Collected	Parameter
Unfiltered:		
	Y / N	VOA (40mL)
	Y / N	TOX (250 mL)
	Y / N	TOC (40 mL)
	Y / N	Organics (1/2 gal)
	(Y) / N	Phenol (250 mL)
	(Y) / N	CN- (250 mL)
	Y / N	Grease & Oil (1 L)
	Y / N	Metals (Total) (500 mL)
	Y / N	General (500 mL)
	Y / N	Ammonia (500 mL)
	Y / N	
	Y / N	
Filtered:		Field Filtered Inorganics (Y) / N
	(Y) / N	Metals (500 mL)
	(Y) / N	Ammonia/NO_2/NO_3 (500 mL)
	(Y) / N	General (500 mL)

Well Integrity Form	Yes	No
1. Does well have identification sign?	✓	
2. Does well have protective posts?		✓
3. Is the protective casing locked and does key work?	✓	
4. Is the well free of damage and in good shape?	✓	
5. Does well cap fit securely?	✓	
6. Is the well cap vented?	✓	
7. Does the area around the well appear clean?	✓	
8. Is the casing secure?	✓	
9. Is surface seal void of erosion around/under the base?		
10. Is the surface seal free of cracks?		
11. Is the surface seal sloped?	✓	
12. Is the locking cap free of rust?	✓	
13. Any obstruction or kinks in the well?		✓
14. Does bladder pump & appurtenances work properly?	✓	
15. Is there any evidence of natural contamination?		✓
16. Any presence of water in annular space?		✓
17. Has well or protective casing been recently painted?		✓
18. Any grease/unnatural substances on the top of well?		✓
19. Are there weep holes at the bottom of casing?		✓

Purge	Time	Gal / L	pH	Spec Con	Temp
1st Vol			7.41	669	10
2nd Vol			7.39	674	9.9
3rd Vol			7.36	656	9.6

Initial	Std	Read	Adjust
pH	4.00		4.00
	7.00		7.00
	10.00		10.00
Spec Con	1000		1000

Sampler's Signature: [signature]

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X:lgtrudy/misc/gwsamplingform/Sheet 2-revised.xls 2/17/04

GROUNDWATER SAMPLING RECORD

Site/Project Name/Permit No. Pagel Pit NORTH

Monitoring Well/Point 618D Date: 1-5-05 Start Time: _____

Field Personnel: JTM Finish Time: 13:31

Well Depth (Bottom) From MP: 45.20 ft

Depth to Water From MP (Prepurges) 11.69 ft Well Water Volume: _____ gal

Water Column Length: _____ ft Water Evacuated: _____ gal
(Pipe ID: 1.5" - 0.092 gal/ft, 2"-0.16 gal/ft, 2.5 - 0.26 gal/ft)

Evacuated with: ____ Teflon Bailer ____ Waterra X Bladder ____ Electric Pump ____ Other (specify)

Sampled with: ____ Teflon Bailer ____ Waterra X Bladder ____ Electric Pump ____ Other (specify)

Sample Appearance: Odor: NONE Color: TAN Turbidity: 54.6 45

Weather: SNOW 25°

Environment: FROZEN GROUND

Remarks/Well Condition: _____

Time Unfiltered:	Collected	Parameter
	Y / N	VOA (40mL)
	Y / N	TOX (250 mL)
	Y / N	TOC (40 mL)
	Y / N	Organics (1/2 gal)
	(Y) / N	Phenol (250 mL)
	(Y) / N	CN- (250 mL)
	Y / N	Grease & Oil (1 L)
	Y / N	Metals (Total) (500 mL)
	Y / N	General (500 mL)
	Y / N	Ammonia (500 mL)
	Y / N	
	Y / N	

Filtered:		Field Filtered Inorganics (Y) / N
	(Y) / N	Metals (500 mL)
	(Y) / N	Ammonia/NO_2/NO_3 (500 mL)
	(Y) / N	General (500 mL)

Well Integrity Form	Yes	No
1. Does well have identification sign?	X	
2. Does well have protective posts?		X
3. Is the protective casing locked and does key work?	X	
4. Is the well free of damage and in good shape?	X	
5. Does well cap fit securely?	X	
6. Is the well cap vented?	X	
7. Does the area around the well appear clean?	X	
8. Is the casing secure?	X	
9. Is surface seal void of erosion around/under the base?		
10. Is the surface seal free of cracks?		
11. Is the surface seal sloped?	X	
12. Is the locking cap free of rust?	X	
13. Any obstruction or kinks in the well?		X
14. Does bladder pump & appurtenances work properly?	X	
15. Is there any evidence of natural contamination?		X
16. Any presence of water in annular space?		X
17. Has well or protective casing been recently painted?		X
18. Any grease/unnatural substances on the top of well?		X
19. Are there weep holes at the bottom of casing?		X

Purge	Time	Gal / L	pH	Spec Con	Temp
1st Vol			7.50	585	11.3
2nd Vol			7.45	580	11.3
3rd Vol			7.42	592	11.1

Initial	Std	Read	Adjust
pH	4.00		4.00
	7.00		7.00
	10.00		10.00
Spec Con	1000		1000

Sampler's Signature: _____

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GROUNDWATER SAMPLING RECORD

Site/Project Name/Permit No. Pagel Pit NoRMT

Monitoring Well/Point G185 Date: 1-5-05 Start Time: _____

Field Personnel: JTM Finish Time: 13.17

Well Depth (Bottom) From MP: 17.22 ft

Depth to Water From MP (Prepurges) 10.54 ft Well Water Volume: _____ gal

Water Column Length: _____ ft Water Evacuated: _____ gal
(Pipe ID: 1.5" - 0.092 gal/ft, 2"-0.16 gal/ft, 2.5 - 0.26 gal/ft)

Evacuated with: X Teflon Bailer ____ Waterra ____ Bladder ____ Electric Pump ____ Other (specify)

Sampled with: X Teflon Bailer ____ Waterra ____ Bladder ____ Electric Pump ____ Other (specify)

Sample Appearance: Odor: DIRT Color: BROWN Turbidity: MODERATE

Weather: SNOW 25°

Environment: FROZEN GROUND

Remarks/Well Condition: FORMATION WATER TD 17.22

Time Unfiltered:	Collected	Parameter
_____	Y / N	VOA (40mL)
_____	Y / N	TOX (250 mL)
_____	Y / N	TOC (40 mL)
_____	Y / N	Organics (1/2 gal)
_____	(Y) / N	Phenol (250 mL)
_____	Y / N	CN- (250 mL)
_____	Y / N	Grease & Oil (1 L)
_____	Y / N	Metals (Total) (500 mL)
_____	Y / N	General (500 mL)
_____	Y / N	Ammonia (500 mL)
_____	Y / N	
_____	Y / N	

Well Integrity Form	Yes	No
1. Does well have identification sign?		X
2. Does well have protective posts?		X
3. Is the protective casing locked and does key work?		X
4. Is the well free of damage and in good shape?	✓	
5. Does well cap fit securely?	✓	
6. Is the well cap vented?	✓	
7. Does the area around the well appear clean?	X	
8. Is the casing secure?	X	
9. Is surface seal void of erosion around/under the base?		
10. Is the surface seal free of cracks?		
11. Is the surface seal sloped?	X	
12. Is the locking cap free of rust?	X	
13. Any obstruction or kinks in the well?		X
14. Does bladder pump & appurtenances work properly?	N/A	
15. Is there any evidence of natural contamination?		X
16. Any presence of water in annular space?		X
17. Has well or protective casing been recently painted?		X
18. Any grease/unnatural substances on the top of well?		X
19. Are there weep holes at the bottom of casing?		X

Filtered:		Field Filtered Inorganics Y / N
_____	(Y) / N	Metals (500 mL)
_____	(Y) / N	Ammonia/NO_2/NO_3 (500 mL)
_____	(Y) / N	General (500 mL)

Purge	Time	Gal / L	pH	Spec Con	Temp
1st Vol			7.54	1060	8.4
2nd Vol					
3rd Vol					

Initial	Std	Read	Adjust
pH	4.00		4.00
	7.00		7.00
	10.00		10.00
Spec Con	1000		1000

Sampler's Signature: _____

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GROUNDWATER SAMPLING RECORD

Site/Project Name/Permit No. **Pagel Pit** Mouth

Monitoring Well/Point 20 D Date: 1/5/5 Start Time: 1240

Field Personnel: DMB Finish Time: 1300

Well Depth (Bottom) From MP: 150.05 ft

Depth to Water From MP (Prepurges) 41.40 ft Well Water Volume: _____ gal

Water Column Length: _____ ft Water Evacuated: _____ gal
(Pipe ID: 1.5" - 0.092 gal/ft, 2"-0.16 gal/ft, 2.5 - 0.26 gal/ft)

Evacuated with: _____ Teflon Bailer _____ Waterra _____ Bladder _____ Electric Pump _____ Other (specify)

Sampled with: _____ Teflon Bailer _____ Waterra _____ Bladder _____ Electric Pump _____ Other (specify)

Sample Appearance: Odor: None Color: Clear Turbidity: trace

Weather: Snowing 25° gusty N.W 10-15 mph

Environment: Snow Covered

Remarks/Well Condition: N.T.D 150.05

Time Unfiltered:	Collected	Parameter (5)
_____	Y / N	VOA (40mL)
_____	Y / N	TOX (250 mL)
_____	Y / N	TOC (40 mL)
_____	Y / N	Organics (1/2 gal)
_____	(Y) / N	Phenol (250 mL)
_____	(Y) / N	CN- (250 mL)
_____	Y / N	Grease & Oil (1 L)
_____	Y / N	Metals (Total) (500 mL)
_____	Y / N	General (500 mL)
_____	Y / N	Ammonia (500 mL)
_____	Y / N	
_____	Y / N	

Well Integrity Form	Yes	No
1. Does well have identification sign?	✓	
2. Does well have protective posts?		✓
3. Is the protective casing locked and does key work?	✓	
4. Is the well free of damage and in good shape?	✓	
5. Does well cap fit securely?	✓	
6. Is the well cap vented?	✓	
7. Does the area around the well appear clean?	✓	
8. Is the casing secure?	✓	
9. Is surface seal void of erosion around/under the base?	✓	
10. Is the surface seal free of cracks?	✓	
11. Is the surface seal sloped?	✓	
12. Is the locking cap free of rust?		✓
13. Any obstruction or kinks in the well?		✓
14. Does bladder pump & appurtenances work properly?	✓	
15. Is there any evidence of natural contamination?		✓
16. Any presence of water in annular space?		✓
17. Has well or protective casing been recently painted?		✓
18. Any grease/unnatural substances on the top of well?		✓
19. Are there weep holes at the bottom of casing?		✓

Filtered:		Field Filtered Inorganics (Y) / N
_____	(Y) / N	Metals (500 mL)
_____	Y / N	Ammonia/NO_2/NO_3 (500 mL)
_____	(Y) / N	General (500 mL)

Purge	Time	Gal / L	pH	Spec Con	Temp
1st Vol			7.16	725	46.9
2nd Vol			7.17	730	46.7
3rd Vol			7.18	735	46.5

Initial	Std	Read	Adjust
pH	4.00		4.00
	7.00		7.00
	10.00		10.00
Spec Con	1000		1000

Sampler's Signature: _____

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GROUNDWATER SAMPLING RECORD

Site/Project Name/Permit No. Pagel Pit - NORTH

Monitoring Well/Point G33D Date: 1-5-05 Start Time: 12:17

Field Personnel: R. ZINSER Finish Time: 12:35

Well Depth (Bottom) From MP: 49.38 ft

Depth to Water From MP (Prepurges) 12.85 ft Well Water Volume: _____ gal

Water Column Length: _____ ft Water Evacuated: _____ gal
(Pipe ID: 1.5" - 0.092 gal/ft, 2"-0.16 gal/ft, 2.5 - 0.26 gal/ft)

Evacuated with: ____ Teflon Bailer ____ Waterra X Bladder ____ Electric Pump ____ Other (specify)

Sampled with: ____ Teflon Bailer ____ Waterra X Bladder ____ Electric Pump ____ Other (specify)

Sample Appearance: Odor: No Color: Clear Turbidity: Slight

Weather: Snow 35°F Winds 10mph NW

Environment: Snow ~ Wooded

Remarks/Well Condition: _____

Time Unfiltered:	Collected	Parameter (5)
_____	Y / N	VOA (40mL)
_____	Y / N	TOX (250 mL)
_____	Y / N	TOC (40 mL)
_____	Y / N	Organics (1/2 gal)
12:35	(Y) / N	Phenol (250 mL)
_____	(Y) / N	CN- (250 mL)
_____	Y / N	Grease & Oil (1 L)
_____	Y / N	Metals (Total) (500 mL)
_____	Y / N	General (500 mL)
_____	Y / N	Ammonia (500 mL)
_____	Y / N	
_____	Y / N	

Filtered:		Field Filtered Inorganics Y / N
_____	(Y) / N	Metals (500 mL)
_____	(Y) / N	Ammonia/NO_2/NO_3 (500 mL)
_____	(Y) / N	General (500 mL)

Well Integrity Form	Yes	No
1. Does well have identification sign?	X	
2. Does well have protective posts?		X
3. Is the protective casing locked and does key work?	X	
4. Is the well free of damage and in good shape?	X	
5. Does well cap fit securely?	X	
6. Is the well cap vented?	X	
7. Does the area around the well appear clean?	X	
8. Is the casing secure?	X	
9. Is surface seal void of erosion around/under the base?	X	
10. Is the surface seal free of cracks?	X	
11. Is the surface seal sloped?	X	
12. Is the locking cap free of rust?		X
13. Any obstruction or kinks in the well?		X
14. Does bladder pump & appurtenances work properly?	X	
15. Is there any evidence of natural contamination?		X
16. Any presence of water in annular space?		X
17. Has well or protective casing been recently painted?		X
18. Any grease/unnatural substances on the top of well?		X
19. Are there weep holes at the bottom of casing?		X

Purge	Time	Gal / L	pH	Spec Con	Temp
1st Vol			7.70	500	10°C
2nd Vol			7.65	550	11°C
3rd Vol			7.65	550	11°C

Initial	Std	Read	Adjust
pH	4.00		4.00
	7.00		7.00
	10.00		10.00
Spec Con	1000		1000

Sampler's Signature: _____

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GROUNDWATER SAMPLING RECORD

Site/Project Name/Permit No. Pagel Pit – NORTH

Monitoring Well/Point G33S Date: 1-5-05 Start Time: 12:00

Field Personnel: R. ZINSER Finish Time: 12:15

Well Depth (Bottom) From MP: 19.99 ft

Depth to Water From MP (Prepurges) 12.12 ft Well Water Volume: _____ gal

Water Column Length: _____ ft Water Evacuated: _____ gal
(Pipe ID: 1.5" - 0.092 gal/ft, 2"-0.16 gal/ft, 2.5 - 0.26 gal/ft)

Evacuated with: ____ Teflon Bailer ____ Waterra X Bladder ____ Electric Pump ____ Other (specify)

Sampled with: ____ Teflon Bailer ____ Waterra X Bladder ____ Electric Pump ____ Other (specify)

Sample Appearance: Odor: No Color: Clear Turbidity: Slight

Weather: Snow 25°F Winds 10 mph NW

Environment: Snow – Wooded

Remarks/Well Condition:

Time Unfiltered:	Collected	Parameter (5)
	Y / N	VOA (40mL)
	Y / N	TOX (250 mL)
	Y / N	TOC (40 mL)
	Y / N	Organics (1/2 gal)
12:15	(Y) N	Phenol (250 mL)
	(Y) N	CN- (250 mL)
	Y / N	Grease & Oil (1 L)
	Y / N	Metals (Total) (500 mL)
	Y / N	General (500 mL)
	Y / N	Ammonia (500 mL)
	Y / N	
	Y / N	

Filtered:		Field Filtered Inorganics Y / N
	(Y) N	Metals (500 mL)
	(Y) N	Ammonia/NO_2/NO_3 (500 mL)
	(Y) N	General (500 mL)

Well Integrity Form	Yes	No
1. Does well have identification sign?	X	
2. Does well have protective posts?		X
3. Is the protective casing locked and does key work?	X	
4. Is the well free of damage and in good shape?	X	
5. Does well cap fit securely?	X	
6. Is the well cap vented?	X	
7. Does the area around the well appear clean?	X	
8. Is the casing secure?	X	
9. Is surface seal void of erosion around/under the base?	X	
10. Is the surface seal free of cracks?		X
11. Is the surface seal sloped?	X	
12. Is the locking cap free of rust?		X
13. Any obstruction or kinks in the well?		X
14. Does bladder pump & appurtenances work properly?	X	
15. Is there any evidence of natural contamination?		X
16. Any presence of water in annular space?		X
17. Has well or protective casing been recently painted?		X
18. Any grease/unnatural substances on the top of well?		X
19. Are there weep holes at the bottom of casing?		X

Purge	Time	Gal / L	pH	Spec Con	Temp
1st Vol			7.69	570	11°c
2nd Vol			7.67	520	11°c
3rd Vol			7.81	510	11°c

Initial	Std	Read	Adjust
pH	4.00		4.00
	7.00		7.00
	10.00		10.00
Spec Con	1000		1000

Sampler's Signature: [signature]

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GROUNDWATER SAMPLING RECORD

Site/Project Name/Permit No. Pagel Pit ~ North

Monitoring Well/Point G340 Date: 1-5-05 Start Time: 14:22

Field Personnel: R Zinser Finish Time: 14:40

Well Depth (Bottom) From MP: 64.64 ft

Depth to Water From MP (Prepurges) 12.42 ft Well Water Volume: _____ gal

Water Column Length: _____ ft Water Evacuated: _____ gal
(Pipe ID: 1.5" - 0.092 gal/ft, 2"-0.16 gal/ft, 2.5 - 0.26 gal/ft)

Evacuated with: ____ Teflon Bailer ____ Waterra X Bladder ____ Electric Pump ____ Other (specify)

Sampled with: ____ Teflon Bailer ____ Waterra X Bladder ____ Electric Pump ____ Other (specify)

Sample Appearance: Odor: No Color: Clear Turbidity: Slight

Weather: Snow 25F Winds 10 mph NW

Environment: Snow ~ Wooded

Remarks/Well Condition:

Time Collected Unfiltered:		Parameter
	Y / N	VOA (40mL)
	Y / N	TOX (250 mL)
	Y / N	TOC (40 mL)
	Y / N	Organics (1/2 gal)
14:40	Y / N	Phenol (250 mL)
	Y / N	CN- (250 mL)
	Y / N	Grease & Oil (1 L)
	Y / N	Metals (Total) (500 mL)
	Y / N	General (500 mL)
	Y / N	Ammonia (500 mL)
	Y / N	
	Y / N	

Well Integrity Form	Yes	No
1. Does well have identification sign?	X	
2. Does well have protective posts?		X
3. Is the protective casing locked and does key work?	X	
4. Is the well free of damage and in good shape?	X	
5. Does well cap fit securely?	X	
6. Is the well cap vented?	X	
7. Does the area around the well appear clean?	X	
8. Is the casing secure?	X	
9. Is surface seal void of erosion around/under the base?	X	
10. Is the surface seal free of cracks?		X
11. Is the surface seal sloped?	X	
12. Is the locking cap free of rust?		X
13. Any obstruction or kinks in the well?		X
14. Does bladder pump & appurtenances work properly?	X	
15. Is there any evidence of natural contamination?		X
16. Any presence of water in annular space?		X
17. Has well or protective casing been recently painted?		X
18. Any grease/unnatural substances on the top of well?		X
19. Are there weep holes at the bottom of casing?		X

Filtered:		Field Filtered Inorganics Y / N
	Y / N	Metals (500 mL)
	Y / N	Ammonia/NO_2/NO_3 (500 mL)
	Y / N	General (500 mL)

Purge	Time	Gal / L	pH	Spec Con	Temp
1st Vol			7.19	720	10°C
2nd Vol			7.21	680	10°C
3rd Vol			7.21	680	10°C

Initial	Std	Read	Adjust
pH	4.00		4.00
	7.00		7.00
	10.00		10.00
Spec Con	1000		1000

Sampler's Signature: _____

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GROUNDWATER SAMPLING RECORD

Site/Project Name/Permit No. Pagel Pit - NORTH

Monitoring Well/Point G34S Date: 1-5-05 Start Time: 14:00

Field Personnel: R. ZINSER Finish Time: 14:15

Well Depth (Bottom) From MP: 19.74 ft

Depth to Water From MP (Prepurges) 12.60 ft Well Water Volume: _____ gal

Water Column Length: _____ ft Water Evacuated: _____ gal
(Pipe ID: 1.5" - 0.092 gal/ft, 2"-0.16 gal/ft, 2.5 - 0.26 gal/ft)

Evacuated with: ____ Teflon Bailer ____ Waterra X Bladder ____ Electric Pump ____ Other (specify)

Sampled with: ____ Teflon Bailer ____ Waterra X Bladder ____ Electric Pump ____ Other (specify)

Sample Appearance: Odor: NO Color: TAN Turbidity: Slight

Weather: Snow 25F Winds 10 mph NW

Environment: Snow ~ Wooded

Remarks/Well Condition:

Time Collected Unfiltered:		Parameter
	Y / N	VOA (40mL)
	Y / N	TOX (250 mL)
	Y / N	TOC (40 mL)
	Y / N	Organics (1/2 gal)
14:15	(Y) / N	Phenol (250 mL)
	(Y) / N	CN- (250 mL)
	Y / N	Grease & Oil (1 L)
	Y / N	Metals (Total) (500 mL)
	Y / N	General (500 mL)
	Y / N	Ammonia (500 mL)
	Y / N	
	Y / N	

Filtered:		Field Filtered Inorganics Y / N
	(Y) / N	Metals (500 mL)
	(Y) / N	Ammonia/NO_2/NO_3 (500 mL)
	(Y) / N	General (500 mL)

Well Integrity Form	Yes	No
1. Does well have identification sign?	X	
2. Does well have protective posts?		X
3. Is the protective casing locked and does key work?	X	
4. Is the well free of damage and in good shape?	X	
5. Does well cap fit securely?	X	
6. Is the well cap vented?	X	
7. Does the area around the well appear clean?	X	
8. Is the casing secure?	X	
9. Is surface seal void of erosion around/under the base?	X	
10. Is the surface seal free of cracks?		X
11. Is the surface seal sloped?	X	
12. Is the locking cap free of rust?		X
13. Any obstruction or kinks in the well?		X
14. Does bladder pump & appurtenances work properly?	X	
15. Is there any evidence of natural contamination?		X
16. Any presence of water in annular space?	X	
17. Has well or protective casing been recently painted?		X
18. Any grease/unnatural substances on the top of well?		X
19. Are there weep holes at the bottom of casing?		X

Purge	Time	Gal / L	pH	Spec Con	Temp
1st Vol			6.90	930	10°c
2nd Vol			6.95	900	10°c
3rd Vol			6.99	890	10°c

Initial	Std	Read	Adjust
pH	4.00		4.00
	7.00		7.00
	10.00		10.00
Spec Con	1000		1000

Sampler's Signature: _____

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GROUNDWATER SAMPLING RECORD

Site/Project Name/Permit No. Pagel Pit NORTH

Monitoring Well/Point G-35D Date: 1-5-05 Start Time: 16:57

Field Personnel: R. ZINSER Finish Time: 13:15 1-5-05

Well Depth (Bottom) From MP: 30.00 ft

Depth to Water From MP (Prepurges) 13.00 ft Well Water Volume: _____ gal

Water Column Length: _____ ft Water Evacuated: _____ gal
(Pipe ID: 1.5" - 0.092 gal/ft, 2"-0.16 gal/ft, 2.5 - 0.26 gal/ft)

Evacuated with: ____ Teflon Bailer ____ Waterra X Bladder ____ Electric Pump ____ Other (specify)

Sampled with: ____ Teflon Bailer ____ Waterra X Bladder ____ Electric Pump ____ Other (specify)

Sample Appearance: Odor: No Color: TAN Turbidity: SLight

Weather: Snow 25°F Winds 10 mph NW

Environment: Snow - Wooded

Remarks/Well Condition:

Time Unfiltered:	Collected	Parameter
	Y / N	VOA (40mL)
	Y / N	TOX (250 mL)
	Y / N	TOC (40 mL)
	Y / N	Organics (1/2 gal)
13:15	(Y) / N	Phenol (250 mL)
13:15	(Y) / N	CN- (250 mL)
	Y / N	Grease & Oil (1 L)
	Y / N	Metals (Total) (500 mL)
	Y / N	General (500 mL)
	Y / N	Ammonia (500 mL)
	Y / N	
	Y / N	

Well Integrity Form	Yes	No
1. Does well have identification sign?	X	
2. Does well have protective posts?		X
3. Is the protective casing locked and does key work?	X	
4. Is the well free of damage and in good shape?	X	
5. Does well cap fit securely?	X	
6. Is the well cap vented?	X	
7. Does the area around the well appear clean?		X
8. Is the casing secure?	X	
9. Is surface seal void of erosion around/under the base?		X
10. Is the surface seal free of cracks?		X
11. Is the surface seal sloped?		X
12. Is the locking cap free of rust?	X	
13. Any obstruction or kinks in the well?		X
14. Does bladder pump & appurtenances work properly?	X	
15. Is there any evidence of natural contamination?		X
16. Any presence of water in annular space?		X
17. Has well or protective casing been recently painted?		X
18. Any grease/unnatural substances on the top of well?		X
19. Are there weep holes at the bottom of casing?		X

Filtered: Field Filtered Inorganics Y / N

	(Y) / N	Metals (500 mL)
	(Y) / N	Ammonia/NO_2,NO_3 (500 mL)
	(Y) / N	General (500 mL)

Purge	Time	Gal / L	pH	Spec Con	Temp
1st Vol			7.14	600	11°C
2nd Vol			7.10	630	11°C
3rd Vol			7.07	630	11°C

Initial	Std	Read	Adjust
pH	4.00		4.00
	7.00		7.00
	10.00		10.00
Spec Con	1000		1000

Sampler's Signature:

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GROUNDWATER SAMPLING RECORD

Site/Project Name/Permit No. Pagel Pit ~ North

Monitoring Well/Point G35S Date: 1-5-05 Start Time: 12:40

Field Personnel: R. Zinser Finish Time: 12:55

Well Depth (Bottom) From MP: 19.95 ft

Depth to Water From MP (Prepurges) 12.90 ft Well Water Volume: _____ gal

Water Column Length: _____ ft Water Evacuated: _____ gal
(Pipe ID: 1.5" - 0.092 gal/ft, 2"-0.16 gal/ft, 2.5 - 0.26 gal/ft)

Evacuated with: ____ Teflon Bailer ____ Waterra X Bladder ____ Electric Pump ____ Other (specify)

Sampled with: ____ Teflon Bailer ____ Waterra X Bladder ____ Electric Pump ____ Other (specify)

Sample Appearance: Odor: No Color: Tan Turbidity: Slight

Weather: Snow 25F Winds 10mph NW

Environment: Snow ~ Wooded

Remarks/Well Condition:

Time Collected Unfiltered:		Parameter
	Y / N	VOA (40mL)
	Y / N	TOX (250 mL)
	Y / N	TOC (40 mL)
	Y / N	Organics (1/2 gal)
12:55	(Y) / N	Phenol (250 mL)
	(Y) / N	CN- (250 mL)
	Y / N	Grease & Oil (1 L)
	Y / N	Metals (Total) (500 mL)
	Y / N	General (500 mL)
	Y / N	Ammonia (500 mL)
	Y / N	
	Y / N	

Well Integrity Form	Yes	No
1. Does well have identification sign?	X	
2. Does well have protective posts?		X
3. Is the protective casing locked and does key work?	X	
4. Is the well free of damage and in good shape?	X	
5. Does well cap fit securely?	X	
6. Is the well cap vented?	X	
7. Does the area around the well appear clean?		X
8. Is the casing secure?	X	
9. Is surface seal void of erosion around/under the base?		X
10. Is the surface seal free of cracks?		X
11. Is the surface seal sloped?		X
12. Is the locking cap free of rust?		X
13. Any obstruction or kinks in the well?		X
14. Does bladder pump & appurtenances work properly?	X	
15. Is there any evidence of natural contamination?		X
16. Any presence of water in annular space?		X
17. Has well or protective casing been recently painted?		X
18. Any grease/unnatural substances on the top of well?		X
19. Are there weep holes at the bottom of casing?		X

Filtered: Field Filtered Inorganics Y / N

	(Y) / N	Metals (500 mL)
	(Y) / N	Ammonia/NO_2/NO_3 (500 mL)
	(Y) / N	General (500 mL)

Purge	Time	Gal / L	pH	Spec Con	Temp
1st Vol			6.83	790	10°C
2nd Vol			6.82	750	10°C
3rd Vol			6.83	750	11°C

Initial	Std	Read	Adjust
pH	4.00		4.00
	7.00		7.00
	10.00		10.00
Spec Con	1000		1000

Sampler's Signature: _____

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GROUNDWATER SAMPLING RECORD

Site/Project Name/Permit No. **Pagel Pit** Month

Monitoring Well/Point G'86 Date: 1/5/- Start Time: 1000

Field Personnel: [illegible] Finish Time: ~~10~~ 1015

Well Depth (Bottom) From MP: 39.81 ft

Depth to Water From MP (Prepurges) 5.72 ft Well Water Volume: _____ gal

Water Column Length: _____ ft Water Evacuated: _____ gal
(Pipe ID: 1.5" - 0.092 gal/ft, 2"-0.16 gal/ft, 2.5 - 0.26 gal/ft)

Evacuated with: ____ Teflon Bailer ____ Waterra X Bladder ____ Electric Pump ____ Other (specify)

Sampled with: ____ Teflon Bailer ____ Waterra Y Bladder ____ Electric Pump ____ Other (specify)

Sample Appearance: Odor: None Color: Clear Turbidity: Trace

Weather: Snowing 25°F Wind N.W 10 mph

Environment: Snow Covered

Remarks/Well Condition: No Lock NTD 3984

Time Unfiltered:	Collected	Parameter (5)
	Y / N	VOA (40mL)
	Y / N	TOX (250 mL)
	Y / N	TOC (40 mL)
	Y / N	Organics (1/2 gal)
	(Y) / N	Phenol (250 mL)
	(Y) / N	CN- (250 mL)
	Y / N	Grease & Oil (1 L)
	Y / N	Metals (Total) (500 mL)
	Y / N	General (500 mL)
	Y / N	Ammonia (500 mL)
	Y / N	
	Y / N	

Well Integrity Form	Yes	No
1. Does well have identification sign?	X	
2. Does well have protective posts?		X
3. Is the protective casing locked and does key work?		X
4. Is the well free of damage and in good shape?	X	
5. Does well cap fit securely?	X	
6. Is the well cap vented?	X	X
7. Does the area around the well appear clean?	X	
8. Is the casing secure?	X	
9. Is surface seal void of erosion around/under the base?	X	
10. Is the surface seal free of cracks?	X	
11. Is the surface seal sloped?	X	
12. Is the locking cap free of rust?		X
13. Any obstruction or kinks in the well?		X
14. Does bladder pump & appurtenances work properly?	X	
15. Is there any evidence of natural contamination?		X
16. Any presence of water in annular space?		X
17. Has well or protective casing been recently painted?		X
18. Any grease/unnatural substances on the top of well?		X
19. Are there weep holes at the bottom of casing?		X

Filtered: Field Filtered Inorganics (Y) / N

(Y) / N	Metals (500 mL)
(Y) / N	Ammonia/NO_2/NO_3 (500 mL)
(Y) / N	General (500 mL)

Purge	Time	Gal / L	pH	Spec Con	Temp
1st Vol			708	860	429
2nd Vol			710	865	427
3rd Vol			715	~~876~~	426

910

Initial	Std	Read	Adjust
pH	4.00		4.00
	7.00		7.00
	10.00		10.00
Spec Con	1000		1000

Sampler's Signature: [signature]

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GROUNDWATER SAMPLING RECORD

Site/Project Name/Permit No. Pagel Pit NORTH

Monitoring Well/Point G37D Date: 1-5-05 Start Time: _____

Field Personnel: JTM Finish Time: 12:53

Well Depth (Bottom) From MP: 81.77 ft

Depth to Water From MP (Prepurges) 5.11 ft Well Water Volume: _____ gal

Water Column Length: _____ ft Water Evacuated: _____ gal
(Pipe ID: 1.5" - 0.092 gal/ft, 2"-0.16 gal/ft, 2.5 - 0.26 gal/ft)

Evacuated with: ____ Teflon Bailer ____ Waterra X Bladder ____ Electric Pump ____ Other (specif

Sampled with: ____ Teflon Bailer ____ Waterra X Bladder ____ Electric Pump ____ Other (specif

Sample Appearance: Odor: NONE Color: NONE Turbidity: SLIGHT

Weather: SNOW 25°

Environment: FROZEN GROUND

Remarks/Well Condition: TD 81.75

Time Collected		Parameter
Unfiltered:	5	
	Y / N	VOA (40mL)
	Y / N	TOX (250 mL)
	Y / N	TOC (40 mL)
	Y / N	Organics (1/2 gal)
	(Y) / N	Phenol (250 mL)
	(Y) / N	CN- (250 mL)
	Y / N	Grease & Oil (1 L)
	Y / N	Metals (Total) (500 mL)
	Y / N	General (500 mL)
	Y / N	Ammonia (500 mL)
	Y / N	
	Y / N	

Filtered:		Field Filtered Inorganics (Y) / N
	(Y) / N	Metals (500 mL)
	(Y) / N	Ammonia/NO_2/NO_3 (500 mL)
	(Y) / N	General (500 mL)

Well Integrity Form	Yes	No
1. Does well have identification sign?	✓	
2. Does well have protective posts?		X
3. Is the protective casing locked and does key work?	X	
4. Is the well free of damage and in good shape?	X	
5. Does well cap fit securely?	X	
6. Is the well cap vented?	X	
7. Does the area around the well appear clean?	X	
8. Is the casing secure?	X	
9. Is surface seal void of erosion around/under the base?		
10. Is the surface seal free of cracks?		
11. Is the surface seal sloped?	X	
12. Is the locking cap free of rust?	X	
13. Any obstruction or kinks in the well?		X
14. Does bladder pump & appurtenances work properly?	X	
15. Is there any evidence of natural contamination?		X
16. Any presence of water in annular space?		X
17. Has well or protective casing been recently painted?		X
18. Any grease/unnatural substances on the top of well?		X
19. Are there weep holes at the bottom of casing?		X

Purge	Time	Gal / L	pH	Spec Con	Temp
1st Vol			7.72	674	8.8
2nd Vol			7.68	680	8.8
3rd Vol			7.63	688	8.7

Initial	Std	Read	Adjust
pH	4.00		4.00
	7.00		7.00
	10.00		10.00
Spec Con	1000		1000

Sampler's Signature: _____

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GROUNDWATER SAMPLING RECORD

Site/Project Name/Permit No. **Pagel Pit**

Monitoring Well/Point G375 Date: 1-5-05 Start Time: _____

Field Personnel: STM Finish Time: 12:45

Well Depth (Bottom) From MP: 17.61 ft

Depth to Water From MP (Prepurges) 6.14 ft Well Water Volume: _____ gal

Water Column Length: _____ ft Water Evacuated: _____ gal
(Pipe ID: 1.5" - 0.092 gal/ft, 2"-0.16 gal/ft, 2.5 - 0.26 gal/ft)

Evacuated with: ____ Teflon Bailer ____ Waterra X Bladder ____ Electric Pump ____ Other (specify)

Sampled with: ____ Teflon Bailer ____ Waterra X Bladder ____ Electric Pump ____ Other (specify)

Sample Appearance: Odor: NONE Color: NONE Turbidity: SLIGHT

Weather: SNOW 25°

Environment: FROZEN GROUND

Remarks/Well Condition: TD 17.65

Time Unfiltered:	Collected 5	Parameter
	Y / N	VOA (40mL)
	Y / N	TOX (250 mL)
	Y / N	TOC (40 mL)
	Y / N	Organics (1/2 gal)
	(Y) / N	Phenol (250 mL)
	(Y) / N	CN- (250 mL)
	Y / N	Grease & Oil (1 L)
	Y / N	Metals (Total) (500 mL)
	Y / N	General (500 mL)
	Y / N	Ammonia (500 mL)
	Y / N	
	Y / N	

Filtered:		Field Filtered Inorganics (Y) / N
	(Y) / N	Metals (500 mL)
	(Y) / N	Ammonia/NO_2/NO_3 (500 mL)
	(Y) / N	General (500 mL)

Well Integrity Form	Yes	No
1. Does well have identification sign?	X	
2. Does well have protective posts?		✓
3. Is the protective casing locked and does key work?	✓	
4. Is the well free of damage and in good shape?	✓	
5. Does well cap fit securely?	✓	
6. Is the well cap vented?	✓	
7. Does the area around the well appear clean?	✓	
8. Is the casing secure?	✓	
9. Is surface seal void of erosion around/under the base?		
10. Is the surface seal free of cracks?		
11. Is the surface seal sloped?	✓	
12. Is the locking cap free of rust?	✓	
13. Any obstruction or kinks in the well?		X
14. Does bladder pump & appurtenances work properly?	✓	
15. Is there any evidence of natural contamination?		X
16. Any presence of water in annular space?		X
17. Has well or protective casing been recently painted?		X
18. Any grease/unnatural substances on the top of well?		X
19. Are there weep holes at the bottom of casing?		X

Purge	Time	Gal / L	pH	Spec Con	Temp
1st Vol			7.57	864	7.6
2nd Vol			7.44	860	7.9
3rd Vol			7.47	850	7.9

Initial	Std	Read	Adjust
pH	4.00		4.00
	7.00		7.00
	10.00		10.00
Spec Con	1000		1000

Sampler's Signature: _____

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GROUNDWATER SAMPLING RECORD

Site/Project Name/Permit No. **Pagel Pit** N

Monitoring Well/Point 38 Date: 1/5/5 Start Time: 1260

Field Personnel: JMTB Finish Time: 1420

Well Depth (Bottom) From MP: 32.60 ft

Depth to Water From MP (Prepurges) 11.43 ft Well Water Volume: _____ gal

Water Column Length: _____ ft Water Evacuated: _____ gal
(Pipe ID: 1.5" - 0.092 gal/ft, 2"-0.16 gal/ft, 2.5 - 0.26 gal/ft)

Evacuated with: ____ Teflon Bailer ____ Waterra Y Bladder ____ Electric Pump ____ Other (specify)

Sampled with: ____ Teflon Bailer ____ Waterra X Bladder ____ Electric Pump ____ Other (specify)

Sample Appearance: Odor: None Color: Clear Turbidity: trace

Weather: Snowing 23°F

Environment: Snow Farm

Remarks/Well Condition: W.T.D 32.62

Time Unfiltered:	Collected	Parameter (5)
	Y / N	VOA (40mL)
	Y / N	TOX (250 mL)
	Y / N	TOC (40 mL)
	Y / N	Organics (1/2 gal)
	Y / N	Phenol (250 mL)
	Y / N	CN- (250 mL)
	Y / N	Grease & Oil (1 L)
	Y / N	Metals (Total) (500 mL)
	Y / N	General (500 mL)
	Y / N	Ammonia (500 mL)
	Y / N	
	Y / N	

Filtered:		Field Filtered Inorganics Y / N
	Y / N	Metals (500 mL)
	Y / N	Ammonia/NO_2/NO_3 (500 mL)
	Y / N	General (500 mL)

Well Integrity Form	Yes	No
1. Does well have identification sign?	X	
2. Does well have protective posts?		X
3. Is the protective casing locked and does key work?	Y	
4. Is the well free of damage and in good shape?	X	
5. Does well cap fit securely?	Y	
6. Is the well cap vented?	Y	
7. Does the area around the well appear clean?	Y	
8. Is the casing secure?	Y	
9. Is surface seal void of erosion around/under the base?	Y	
10. Is the surface seal free of cracks?	Y	
11. Is the surface seal sloped?	Y	
12. Is the locking cap free of rust?		Y
13. Any obstruction or kinks in the well?		Y
14. Does bladder pump & appurtenances work properly?	X	
15. Is there any evidence of natural contamination?		Y
16. Any presence of water in annular space?		Y
17. Has well or protective casing been recently painted?		Y
18. Any grease/unnatural substances on the top of well?		Y
19. Are there weep holes at the bottom of casing?	Y	

Purge	Time	Gal / L	pH	Spec Con	Temp
1st Vol			7.15	1.0C	47.3
2nd Vol			7.15	1.0C	47.6
3rd Vol			7.15	1.0C	47.7

Initial	Std	Read	Adjust
pH	4.00		4.00
	7.00		7.00
	10.00		10.00
Spec Con	1000		1000

Sampler's Signature: _____

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GROUNDWATER SAMPLING RECORD

Site/Project Name/Permit No. Pagel Pit

Monitoring Well/Point 639S Date: 1-5-05 Start Time:

Field Personnel: JTM Finish Time: 13:50

Well Depth (Bottom) From MP: 53.49 ft

Depth to Water From MP (Prepurges) 25.85 ft Well Water Volume: ____ gal

Water Column Length: ____ ft Water Evacuated: ____ gal
(Pipe ID: 1.5" - 0.092 gal/ft, 2"-0.16 gal/ft, 2.5 - 0.26 gal/ft)

Evacuated with: ____ Teflon Bailer ____ Waterra X Bladder ____ Electric Pump ____ Other (specify)

Sampled with: ____ Teflon Bailer ____ Waterra X Bladder ____ Electric Pump ____ Other (specify)

Sample Appearance: Odor: NONE Color: TAN Turbidity: SLIGHT

Weather: SNOW 25°

Environment: FROZEN GROUND

Remarks/Well Condition:

Time Unfiltered:	Collected	Parameter
	5	
	Y / N	VOA (40mL)
	Y / N	TOX (250 mL)
	Y / N	TOC (40 mL)
	Y / N	Organics (1/2 gal)
	(Y) / N	Phenol (250 mL)
	(Y) / N	CN- (250 mL)
	Y / N	Grease & Oil (1 L)
	Y / N	Metals (Total) (500 mL)
	Y / N	General (500 mL)
	Y / N	Ammonia (500 mL)
	Y / N	
	Y / N	

Well Integrity Form	Yes	No
1. Does well have identification sign?	X	
2. Does well have protective posts? ROCK	X	
3. Is the protective casing locked and does key work?	X	
4. Is the well free of damage and in good shape?	X	
5. Does well cap fit securely?	X	
6. Is the well cap vented?	X	
7. Does the area around the well appear clean?	X	
8. Is the casing secure?	X	
9. Is surface seal void of erosion around/under the base?		
10. Is the surface seal free of cracks?		
11. Is the surface seal sloped?	X	
12. Is the locking cap free of rust?	X	
13. Any obstruction or kinks in the well?		X
14. Does bladder pump & appurtenances work properly?	X	
15. Is there any evidence of natural contamination?		X
16. Any presence of water in annular space?		X
17. Has well or protective casing been recently painted?		X
18. Any grease/unnatural substances on the top of well?		X
19. Are there weep holes at the bottom of casing?		X

Filtered: Field Filtered Inorganics (Y) / N

	(Y) / N	Metals (500 mL)
	(Y) / N	Ammonia/NO_2/NO_3 (500 mL)
	(Y) / N	General (500 mL)

Purge	Time	Gal / L	pH	Spec Con	Temp
1st Vol			6.84	990	11.7
2nd Vol			6.87	1007	11.4
3rd Vol			6.89	1015	11.2

Initial	Std	Read	Adjust
pH	4.00		4.00
	7.00		7.00
	10.00		10.00
Spec Con	1000		1000

Sampler's Signature: JTM

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Site/Project Name/Permit No. **Pagel Pit** North

Monitoring Well/Point 405 Date: 1/5/5 Start Time: 15:15

Field Personnel: DwB Finish Time: 15:38

Well Depth (Bottom) From MP: 38.74 ft

Depth to Water From MP (Prepurges) 29.12 ft Well Water Volume: _____ gal

Water Column Length: _____ ft Water Evacuated: _____ gal
(Pipe ID: 1.5" - 0.092 gal/ft, 2"-0.16 gal/ft, 2.5 - 0.26 gal/ft)

Evacuated with: ____ Teflon Bailer ____ Waterra X Bladder ____ Electric Pump ____ Other (sp

Sampled with: ____ Teflon Bailer ____ Waterra Y Bladder ____ Electric Pump ____ Other (sp

Sample Appearance: Odor: None Color: Clear Turbidity: trace

Weather: Snowing 25°F Wind N.D 10-15 mph

Environment: Snow Dune / next Flare Station

Remarks/Well Condition: N.D 3871

Time Collected		Parameter 5
Unfiltered:		
	Y / N	VOA (40mL)
	Y / N	TOX (250 mL)
	Y / N	TOC (40 mL)
	Y / N	Organics (1/2 gal)
	Y / N	Phenol (250 mL)
	Y / N	CN- (250 mL)
	Y / N	Grease & Oil (1 L)
	Y / N	Metals (Total) (500 mL)
	Y / N	General (500 mL)
	Y / N	Ammonia (500 mL)
	Y / N	
	Y / N	

Well Integrity Form	Yes	N
1. Does well have identification sign?	Y	
2. Does well have protective posts?		Y
3. Is the protective casing locked and does key work?	Y	
4. Is the well free of damage and in good shape?	Y	
5. Does well cap fit securely?	Y	
6. Is the well cap vented?	Y	
7. Does the area around the well appear clean?	Y	
8. Is the casing secure?	Y	
9. Is surface seal void of erosion around/under the base?	Y	
10. Is the surface seal free of cracks?	Y	
11. Is the surface seal sloped?	Y	
12. Is the locking cap free of rust?		Y
13. Any obstruction or kinks in the well?		Y
14. Does bladder pump & appurtenances work properly?	Y	
15. Is there any evidence of natural contamination?		Y
16. Any presence of water in annular space?		Y
17. Has well or protective casing been recently painted?		Y
18. Any grease/unnatural substances on the top of well?		Y
19. Are there weep holes at the bottom of casing?		Y

Filtered: Field Filtered Inorganics Y / N

	Y / N	Metals (500 mL)
	Y / N	Ammonia/NO_2/NO_3 (500 mL)
	Y / N	General (500 mL)

Purge	Time	Gal / L	pH	Spec Con	Temp
1st Vol			6.89	1370	50.1
2nd Vol			6.19	1370	50.4
3rd Vol			6.25	1380	50.4

Initial	Std	Read	Adjust
pH	4.00		4.00
	7.00		7.00
	10.00		10.00
Spec Con	1000		1000

Sampler's Signature: _____

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GROUNDWATER SAMPLING RECORD

Site/Project Name/Permit No. Pagel Pit NPDES

Monitoring Well/Point 641D Date: 12-05 Start Time: _____

Field Personnel: JTM Finish Time: 10:35

Well Depth (Bottom) From MP: 10.16 ft

Depth to Water From MP (Prepurges) 2.17 ft Well Water Volume: _____ gal

Water Column Length: _____ ft Water Evacuated: _____ gal
(Pipe ID: 1.5" - 0.092 gal/ft, 2"-0.16 gal/ft, 2.5 - 0.26 gal/ft)

Evacuated with: ____ Teflon Bailer ____ Waterra X Bladder ____ Electric Pump ____ Other (specif

Sampled with: ____ Teflon Bailer ____ Waterra X Bladder ____ Electric Pump ____ Other (specif

Sample Appearance: Odor: NONE Color: NONE Turbidity: SLIGHT

Weather: SNOW 25°

Environment: FROZEN GROUND

Remarks/Well Condition: TD

Time Unfiltered:	Collected	Parameter
	Y / N	VOA (40mL)
	Y / N	TOX (250 mL)
	Y / N	TOC (40 mL)
	Y / N	Organics (1/2 gal)
	(Y) / N	Phenol (250 mL)
	(Y) / N	CN- (250 mL)
	Y / N	Grease & Oil (1 L)
	Y / N	Metals (Total) (500 mL)
	Y / N	General (500 mL)
	Y / N	Ammonia (500 mL)
	Y / N	
	Y / N	

Filtered:		Field Filtered Inorganics (Y) / N
	(Y) / N	Metals (500 mL)
	(Y) / N	Ammonia/NO_2/NO_3 (500 mL)
	(Y) / N	General (500 mL)

Well Integrity Form	Yes	No
1. Does well have identification sign?	X	
2. Does well have protective posts?		X
3. Is the protective casing locked and does key work?	X	
4. Is the well free of damage and in good shape?	X	
5. Does well cap fit securely?	X	
6. Is the well cap vented?	X	
7. Does the area around the well appear clean?	X	
8. Is the casing secure?	X	
9. Is surface seal void of erosion around/under the base?		
10. Is the surface seal free of cracks?		
11. Is the surface seal sloped?	X	
12. Is the locking cap free of rust?	X	
13. Any obstruction or kinks in the well?		X
14. Does bladder pump & appurtenances work properly?	X	
15. Is there any evidence of natural contamination?		X
16. Any presence of water in annular space?		X
17. Has well or protective casing been recently painted?		X
18. Any grease/unnatural substances on the top of well?		X
19. Are there weep holes at the bottom of casing?		X

Purge	Time	Gal / L	pH	Spec Con	Temp
1st Vol			7.50	564	13.2
2nd Vol			7.58	549	13.2
3rd Vol			7.58	545	13

Initial	Std	Read	Adjust
pH	4.00		4.00
	7.00		7.00
	10.00		10.00
Spec Con	1000		1000

Sampler's Signature: _____

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GROUNDWATER SAMPLING RECORD

Site/Project Name/Permit No. Pagel Pit NORTH

Monitoring Well/Point G41M Date: 1-5-05 Start Time: _____

Field Personnel: TM Finish Time: 10:13

Well Depth (Bottom) From MP: 61.50 ft

Depth to Water From MP (Prepurges) 18.96 ft Well Water Volume: _____ gal

Water Column Length: _____ ft Water Evacuated: _____ gal
(Pipe ID: 1.5" - 0.092 gal/ft, 2"-0.16 gal/ft, 2.5 - 0.26 gal/ft)

Evacuated with: ____ Teflon Bailer ____ Waterra X Bladder ____ Electric Pump ____ Other (specify)

Sampled with: ____ Teflon Bailer ____ Waterra S Bladder ____ Electric Pump ____ Other (specify)

Sample Appearance: Odor: METHANE Color: ORANGE Turbidity: SLIGHT

Weather: SNOW 25°

Environment: FROZEN GROUND

Remarks/Well Condition: AIR LEAK - BLADDER PUMP TM

Time Unfiltered:	Collected	Parameter
_____	Y / N	VOA (40mL)
_____	Y / N	TOX (250 mL)
_____	Y / N	TOC (40 mL)
_____	Y / N	Organics (1/2 gal)
_____	(Y) N	Phenol (250 mL)
_____	(Y) N	CN- (250 mL)
_____	Y / N	Grease & Oil (1 L)
_____	Y / N	Metals (Total) (500 mL)
_____	Y / N	General (500 mL)
_____	Y / N	Ammonia (500 mL)
_____	Y / N	
_____	Y / N	

Filtered:		Field Filtered Inorganics (Y) N
_____	(Y) N	Metals (500 mL)
_____	(Y) N	Ammonia/NO_2/NO_3 (500 mL)
_____	(Y) N	General (500 mL)

Well Integrity Form	Yes	No
1. Does well have identification sign?	X	
2. Does well have protective posts?		X
3. Is the protective casing locked and does key work?		X
4. Is the well free of damage and in good shape?		X
5. Does well cap fit securely?	X	
6. Is the well cap vented?	X	
7. Does the area around the well appear clean?	X	
8. Is the casing secure?	X	
9. Is surface seal void of erosion around/under the base?		
10. Is the surface seal free of cracks?		
11. Is the surface seal sloped?	X	
12. Is the locking cap free of rust?	X	
13. Any obstruction or kinks in the well?		X
14. Does bladder pump & appurtenances work properly?	X	
15. Is there any evidence of natural contamination?		X
16. Any presence of water in annular space?		X
17. Has well or protective casing been recently painted?		X
18. Any grease/unnatural substances on the top of well?		X
19. Are there weep holes at the bottom of casing?		X

Purge	Time	Gal / L	pH	Spec Con	Temp
1st Vol			7.79	724	7.4
2nd Vol			7.76	727	7.3
3rd Vol			7.76	727	7.0

Initial	Std	Read	Adjust
pH	4.00		4.00
	7.00		7.00
	10.00		10.00
Spec Con	1000		1000

Sampler's Signature: _____

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GROUNDWATER SAMPLING RECORD

Site/Project Name/Permit No. Pagel Pit NORTH

Monitoring Well/Point G415 Date: 1-5-05 Start Time: _____

Field Personnel: JTM Finish Time: 10:22

Well Depth (Bottom) From MP: 37.79 ft

Depth to Water From MP (Prepurges) 21.30 ft Well Water Volume: _____ gal

Water Column Length: _____ ft Water Evacuated: _____ gal
(Pipe ID: 1.5" - 0.092 gal/ft, 2"-0.16 gal/ft, 2.5 - 0.26 gal/ft)

Evacuated with: ____ Teflon Bailer ____ Waterra X Bladder ____ Electric Pump ____ Other (specify)

Sampled with: ____ Teflon Bailer ____ Waterra X Bladder ____ Electric Pump ____ Other (specify)

Sample Appearance: Odor: METHANE Color: YELLOW Turbidity: SLIGHT

Weather: SNOW 25

Environment: FROZEN GROUND

Remarks/Well Condition: _____

Time Unfiltered:	Collected	Parameter
	Y / N	VOA (40mL)
	Y / N	TOX (250 mL)
	Y / N	TOC (40 mL)
	Y / N	Organics (1/2 gal)
	(Y) / N	Phenol (250 mL)
	(Y) / N	CN- (250 mL)
	Y / N	Grease & Oil (1 L)
	Y / N	Metals (Total) (500 mL)
	Y / N	General (500 mL)
	Y / N	Ammonia (500 mL)
	Y / N	
	Y / N	

Well Integrity Form	Yes	No
1. Does well have identification sign?	X	
2. Does well have protective posts?		X
3. Is the protective casing locked and does key work?	X	
4. Is the well free of damage and in good shape?	X	
5. Does well cap fit securely?		X
6. Is the well cap vented?	X	
7. Does the area around the well appear clean?	X	
8. Is the casing secure?	X	
9. Is surface seal void of erosion around/under the base?		
10. Is the surface seal free of cracks?		
11. Is the surface seal sloped?	X	
12. Is the locking cap free of rust?	X	
13. Any obstruction or kinks in the well?		X
14. Does bladder pump & appurtenances work properly?	X	
15. Is there any evidence of natural contamination?		X
16. Any presence of water in annular space?		X
17. Has well or protective casing been recently painted?		X
18. Any grease/unnatural substances on the top of well?		X
19. Are there weep holes at the bottom of casing?		X

Filtered:

Field Filtered Inorganics (Y) / N

	(Y) / N	Metals (500 mL)
	(Y) / N	Ammonia/NO_2/NO_3 (500 mL)
	~~Y~~ / N	General (500 mL)

Purge	Time	Gal / L	pH	Spec Con	Temp
1st Vol			7.41	1025	12.6
2nd Vol			7.28	1035	14
3rd Vol			7.27	1054	15.2

Initial	Std	Read	Adjust
pH	4.00		4.00
	7.00		7.00
	10.00		10.00
Spec Con	1000		1000

Sampler's Signature: _____

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GROUNDWATER SAMPLING RECORD

Site/Project Name/Permit No. **Pagel Pit** North

Monitoring Well/Point: G 423 Date: 1/5/5 Start Time: 900

Field Personnel: Jim B Finish Time: 915

Well Depth (Bottom) From MP: 30.17 ft

Depth to Water From MP (Prepurges): 15.80 ft Well Water Volume: ______ gal

Water Column Length: ______ ft Water Evacuated: ______ gal

(Pipe ID: 1.5" - 0.092 gal/ft, 2"-0.16 gal/ft, 2.5 - 0.26 gal/ft)

Evacuated with: ____ Teflon Bailer ____ Waterra X Bladder ____ Electric Pump ____ Other (specify)

Sampled with: ____ Teflon Bailer ____ Waterra X Bladder ____ Electric Pump ____ Other (specify)

Sample Appearance: Odor: [illegible] Color: [illegible] Turbidity: [illegible]

Weather: Snowing 25°F

Environment: Snow Covered

Remarks/Well Condition: [illegible]

Time	Collected	Parameter
Unfiltered:		
	Y / N	VOA (40mL)
	Y / N	TOX (250 mL)
	Y / N	TOC (40 mL)
	(Y) / N	Organics (1/2 gal)
	(Y) / N	Phenol (250 mL)
	Y / N	CN- (250 mL)
	Y / N	Grease & Oil (1 L)
	Y / N	Metals (Total) (500 mL)
	Y / N	General (500 mL)
	Y / N	Ammonia (500 mL)
	Y / N	
	Y / N	

Well Integrity Form	Yes	No
1. Does well have identification sign?	X	
2. Does well have protective posts?		X
3. Is the protective casing locked and does key work?		X
4. Is the well free of damage and in good shape?	X	
5. Does well cap fit securely?	X	
6. Is the well cap vented?	X	
7. Does the area around the well appear clean?	X	
8. Is the casing secure?	X	
9. Is surface seal void of erosion around/under the base?	X	
10. Is the surface seal free of cracks?	X	
11. Is the surface seal sloped?	X	
12. Is the locking cap free of rust?		X
13. Any obstruction or kinks in the well?		X
14. Does bladder pump & appurtenances work properly?	X	
15. Is there any evidence of natural contamination?		X
16. Any presence of water in annular space?		X
17. Has well or protective casing been recently painted?		X
18. Any grease/unnatural substances on the top of well?		X
19. Are there weep holes at the bottom of casing?		

Filtered: Field Filtered Inorganics (Y) / N

Time	Collected	Parameter
	(Y) / N	Metals (500 mL)
	(Y) / N	Ammonia/NO_2/NO_3 (500 mL)
	(Y) / N	General (500 mL)

Purge	Time	Gal / L	pH	Spec Con	Temp
1st Vol			7.09	1398	42.7
2nd Vol			6.72	1425	42.3
3rd Vol			6.80	1420	41.7

Initial	Std	Read	Adjust
pH 3.98	4.00	4	4.00
6.99	7.00	7	7.00
10.01	10.00	10	10.00
Spec Con	1000	1000	1000

Sampler's Signature: [signature]

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GROUNDWATER SAMPLING RECORD

Site/Project Name/Permit No. Pagel Pit NORTH

Monitoring Well/Point SG-1 Date: 1-5-05 Start Time: _____

Field Personnel: JTM Finish Time: 10:52

Well Depth (Bottom) From MP: _____ ft

Depth to Water From MP (Prepurges) NA ft Well Water Volume: _____ gal

Water Column Length: _____ ft Water Evacuated: _____ gal
(Pipe ID: 1.5" - 0.092 gal/ft, 2"-0.16 gal/ft, 2.5 - 0.26 gal/ft)

Evacuated with: ____ Teflon Bailer ____ Waterra ____ Bladder ____ Electric Pump X Other (specify 3 BOTTLE)

Sampled with: ____ Teflon Bailer ____ Waterra ____ Bladder ____ Electric Pump ____ Other (specify)

Sample Appearance: Odor: NONE Color: BROWN Turbidity: SLIGHT

Weather: SNOW 25°

Environment: CREEK

Remarks/Well Condition: HAD TO BREAK ICE

Time Unfiltered:	Collected	Parameter
	Y / N	VOA (40mL)
	Y / N	TOX (250 mL)
	Y / N	TOC (40 mL)
	Y / N	Organics (1/2 gal)
	Y / N	Phenol (250 mL)
	Y / N	CN- (250 mL)
	Y / N	Grease & Oil (1 L)
	Y / N	Metals (Total) (500 mL)
	Y / N	General (500 mL)
	Y / N	Ammonia (500 mL)
	Y / N	
	Y / N	

Filtered:		
	Y / N	Field Filtered Inorganics Y / N
	Y / N	Metals (500 mL)
	Y / N	Ammonia/NO_2/NO_3 (500 mL)
	Y / N	General (500 mL)

Well Integrity Form	Yes	No
1. Does well have identification sign?		
2. Does well have protective posts?		
3. Is the protective casing locked and does key work?		
4. Is the well free of damage and in good shape?		
5. Does well cap fit securely?		
6. Is the well cap vented?		
7. Does the area around the well appear clean?		
8. Is the casing secure?		
9. Is surface seal void of erosion around/under the base?		NA
10. Is the surface seal free of cracks?		
11. Is the surface seal sloped?		
12. Is the locking cap free of rust?		
13. Any obstruction or kinks in the well?		
14. Does bladder pump & appurtenances work properly?		
15. Is there any evidence of natural contamination?		
16. Any presence of water in annular space?		
17. Has well or protective casing been recently painted?		
18. Any grease/unnatural substances on the top of well?		
19. Are there weep holes at the bottom of casing?		

Purge	Time	Gal / L	pH	Spec Con	Temp
1st Vol			8.10	728	2.2
2nd Vol					
3rd Vol					

Initial	Std	Read	Adjust
pH	4.00		4.00
	7.00		7.00
	10.00		10.00
Spec Con	1000		1000

Sampler's Signature: _____

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GROUNDWATER SAMPLING RECORD

Site/Project Name/Permit No. Pagel Pit PORTH

Monitoring Well/Point 56-3 Date: 1-5-05 Start Time: _____

Field Personnel: JTH Finish Time: 11:02

Well Depth (Bottom) From MP: _____ ft

Depth to Water From MP (Prepurges) NA ft Well Water Volume: _____ gal

Water Column Length: _____ ft Water Evacuated: _____ gal
(Pipe ID: 1.5" - 0.092 gal/ft, 2"-0.16 gal/ft, 2.5 - 0.26 gal/ft)

Evacuated with: ____ Teflon Bailer ____ Waterra ____ Bladder ____ Electric Pump X Other (specif

Sampled with: ____ Teflon Bailer ____ Waterra ____ Bladder ____ Electric Pump X Other (specif SHUTTLE

Sample Appearance: Odor: NONE Color: NONE Turbidity: SLIGHT

Weather: SNOW 25

Environment: CREEK

Remarks/Well Condition: BREAK ICE

Time Unfiltered:	Collected	Parameter
	Y / N	VOA (40mL)
	Y / N	TOX (250 mL)
	Y / N	TOC (40 mL)
	Y / N	Organics (1/2 gal)
	Y / N	Phenol (250 mL)
	Y / N	CN- (250 mL)
	Y / N	Grease & Oil (1 L)
	Y / N	Metals (Total) (500 mL)
	Y / N	General (500 mL)
	Y / N	Ammonia (500 mL)
	Y / N	
	Y / N	

Filtered:		Field Filtered Inorganics Y / N
	Y / N	Metals (500 mL)
	Y / N	Ammonia/NO_2/NO_3 (500 mL)
	Y / N	General (500 mL)

Well Integrity Form	Yes	No
1. Does well have identification sign?		
2. Does well have protective posts?		
3. Is the protective casing locked and does key work?		
4. Is the well free of damage and in good shape?		
5. Does well cap fit securely?		
6. Is the well cap vented?		
7. Does the area around the well appear clean?		
8. Is the casing secure?		
9. Is surface seal void of erosion around/under the base?		
10. Is the surface seal free of cracks?	NA	
11. Is the surface seal sloped?		
12. Is the locking cap free of rust?		
13. Any obstruction or kinks in the well?		
14. Does bladder pump & appurtenances work properly?		
15. Is there any evidence of natural contamination?		
16. Any presence of water in annular space?		
17. Has well or protective casing been recently painted?		
18. Any grease/unnatural substances on the top of well?		
19. Are there weep holes at the bottom of casing?		

Purge	Time	Gal / L	pH	Spec Con	Temp
1st Vol			8.22	655	1.7
2nd Vol					
3rd Vol					

Initial	Std	Read	Adjust
pH	4.00		4.00
	7.00		7.00
	10.00		10.00
Spec Con	1000		1000

Sampler's Signature: _____

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GROUNDWATER SAMPLING RECORD

Site/Project Name/Permit No. Pagel Pit NORTH

Monitoring Well/Point SG-4 Date: 1-5-04 Start Time: _____

Field Personnel: JAM Finish Time: 9:00

Well Depth (Bottom) From MP: _____ ft

Depth to Water From MP (Prepurges) NA ft Well Water Volume: _____ gal

Water Column Length: _____ ft Water Evacuated: _____ gal
(Pipe ID: 1.5" - 0.092 gal/ft, 2"-0.16 gal/ft, 2.5 - 0.26 gal/ft)

Evacuated with: ____ Teflon Bailer ____ Waterra ____ Bladder ____ Electric Pump X Other (specif BOTTLE

Sampled with: ____ Teflon Bailer ____ Waterra ____ Bladder ____ Electric Pump X Other (specif

Sample Appearance: Odor: NONE Color: NONE Turbidity: SLIGHT

Weather: SUNNY 25°

Environment: CREEK

Remarks/Well Condition: _____

Time Unfiltered:	Collected	Parameter
_____	Y / N	VOA (40mL)
_____	Y / N	TOX (250 mL)
_____	Y / N	TOC (40 mL)
_____	Y / N	Organics (1/2 gal)
_____	Y / N	Phenol (250 mL)
_____	Y / N	CN- (250 mL)
_____	Y / N	Grease & Oil (1 L)
_____	Y / N	Metals (Total) (500 mL)
_____	Y / N	General (500 mL)
_____	Y / N	Ammonia (500 mL)
_____	Y / N	
_____	Y / N	

Filtered:	Collected	Parameter
		Field Filtered Inorganics Y / N
_____	Y / N	Metals (500 mL)
_____	Y / N	Ammonia/NO_2/NO_3 (500 mL)
_____	Y / N	General (500 mL)

Well Integrity Form	Yes	No
1. Does well have identification sign?		
2. Does well have protective posts?		
3. Is the protective casing locked and does key work?		
4. Is the well free of damage and in good shape?		
5. Does well cap fit securely?		
6. Is the well cap vented?		
7. Does the area around the well appear clean?		
8. Is the casing secure?		
9. Is surface seal void of erosion around/under the base?		
10. Is the surface seal free of cracks?		
11. Is the surface seal sloped?	N/A	
12. Is the locking cap free of rust?		
13. Any obstruction or kinks in the well?		
14. Does bladder pump & appurtenances work properly?		
15. Is there any evidence of natural contamination?		
16. Any presence of water in annular space?		
17. Has well or protective casing been recently painted?		
18. Any grease/unnatural substances on the top of well?		
19. Are there weep holes at the bottom of casing?		

Purge	Time	Gal / L	pH	Spec Con	Temp
1st Vol			7.65	636	4.0
2nd Vol					
3rd Vol					

Initial	Std	Read	Adjust
pH	4.00		4.00
	7.00		7.00
	10.00		10.00
Spec Con	1000		1000

Sampler's Signature: _____

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GROUNDWATER SAMPLING RECORD

Site/Project Name/Permit No. Pagel Pit - NORTH

Monitoring Well/Point L313 Date: 1-6-05 Start Time: 12:00

Field Personnel: R. ZINGER Finish Time: 12:30

Well Depth (Bottom) From MP: N/A ft

Depth to Water From MP (Prepurges) 96.15 ft Well Water Volume: _____ gal

Water Column Length: _____ ft Water Evacuated: _____ gal
(Pipe ID: 1.5" - 0.092 gal/ft, 2"-0.16 gal/ft, 2.5 - 0.26 gal/ft)

Evacuated with: X Teflon Bailer ____ Waterra ____ Bladder ____ Electric Pump ____ Other (specify)

Sampled with: X Teflon Bailer ____ Waterra ____ Bladder ____ Electric Pump ____ Other (specify)

Sample Appearance: Odor: Strong Color: Black Turbidity: Heavy

Weather: Sunny Dry Winds 5 mph West

Environment: Snow

Remarks/Well Condition: * Bailed Well

Time Unfiltered:	Collected	Parameter (8)
	Y / N	VOA (40mL)
	Y / N	TOX (250 mL)
	Y / N	TOC (40 mL)
	Y / N	Organics (1/2 gal)
	(Y) / N	Phenol (250 mL)
12:30	(Y) / N	CN- (250 mL)
12:30	(Y) / N	Grease & Oil (1 L)
	(Y) / N	Metals (Total) (500 mL)
	(Y) / N	General (500 mL)
	(Y) / N	Ammonia (500 mL)
	(Y) / N	Fecal
	Y / N	

Filtered:		Field Filtered Inorganics Y / N
	Y / N	Metals (500 mL)
	Y / N	Ammonia/NO_2/NO_3 (500 mL)
	Y / N	General (500 mL)

Well Integrity Form	Yes	No
1. Does well have identification sign?		
2. Does well have protective posts?		
3. Is the protective casing locked and does key work?		
4. Is the well free of damage and in good shape?		
5. Does well cap fit securely?		
6. Is the well cap vented?		
7. Does the area around the well appear clean?		
8. Is the casing secure?		
9. Is surface seal void of erosion around/under the base?		
10. Is the surface seal free of cracks?		
11. Is the surface seal sloped?		
12. Is the locking cap free of rust?		
13. Any obstruction or kinks in the well?		
14. Does bladder pump & appurtenances work properly?		
15. Is there any evidence of natural contamination?		
16. Any presence of water in annular space?		
17. Has well or protective casing been recently painted?		
18. Any grease/unnatural substances on the top of well?		
19. Are there weep holes at the bottom of casing?		

Purge	Time	Gal / L	pH	Spec Con	Temp
1st Vol			7.99	34,700	19 °C
2nd Vol					
3rd Vol					

Initial	Std	Read	Adjust
pH	4.00		4.00
	7.00		7.00
	10.00		10.00
Spec Con	1000		1000

Sampler's Signature: [signature]

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GROUNDWATER SAMPLING RECORD

Site/Project Name/Permit No. Pagel Pit - NORTH

Monitoring Well/Point L315 Date: 1-6-05 Start Time: _____

Field Personnel: R. ZINSTER Finish Time: 12:35

Well Depth (Bottom) From MP: _____ ft

Depth to Water From MP (Prepurges) DRY ft Well Water Volume: _____ gal

Water Column Length: _____ ft Water Evacuated: _____ gal
(Pipe ID: 1.5" - 0.092 gal/ft, 2"-0.16 gal/ft, 2.5 - 0.26 gal/ft)

Evacuated with: _____ Teflon Bailer _____ Waterra _____ Bladder _____ Electric Pump _____ Other (specify)

Sampled with: _____ Teflon Bailer _____ Waterra _____ Bladder _____ Electric Pump _____ Other (specify)

Sample Appearance: Odor: _____ Color: _____ Turbidity: _____

Weather: _____

Environment: _____

Remarks/Well Condition: DRY WELL - QED Bubbler Meter indicates DRY

Time Unfiltered:	Collected	Parameter
_____	Y / N	VOA (40mL)
_____	Y / N	TOX (250 mL)
_____	Y / N	TOC (40 mL)
_____	Y / N	Organics (1/2 gal)
_____	Y / N	Phenol (250 mL)
_____	Y / N	CN- (250 mL)
_____	Y / N	Grease & Oil (1 L)
_____	Y / N	Metals (Total) (500 mL)
_____	Y / N	General (500 mL)
_____	Y / N	Ammonia (500 mL)
_____	Y / N	
_____	Y / N	

Filtered:		Field Filtered Inorganics Y / N
_____	Y / N	Metals (500 mL)
_____	Y / N	Ammonia/NO_2/NO_3 (500 mL)
_____	Y / N	General (500 mL)

Well Integrity Form	Yes	No
1. Does well have identification sign?		
2. Does well have protective posts?		
3. Is the protective casing locked and does key work?		
4. Is the well free of damage and in good shape?		
5. Does well cap fit securely?		
6. Is the well cap vented?		
7. Does the area around the well appear clean?		
8. Is the casing secure?		
9. Is surface seal void of erosion around/under the base?		
10. Is the surface seal free of cracks?		
11. Is the surface seal sloped?		
12. Is the locking cap free of rust?		
13. Any obstruction or kinks in the well?		
14. Does bladder pump & appurtenances work properly?		
15. Is there any evidence of natural contamination?		
16. Any presence of water in annular space?		
17. Has well or protective casing been recently painted?		
18. Any grease/unnatural substances on the top of well?		
19. Are there weep holes at the bottom of casing?		

Purge	Time	Gal / L	pH	Spec Con	Temp
1st Vol					
2nd Vol					
3rd Vol					

Initial	Std	Read	Adjust
pH	4.00		4.00
	7.00		7.00
	10.00		10.00
Spec Con	1000		1000

Sampler's Signature: _____

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GROUNDWATER SAMPLING RECORD

Site/Project Name/Permit No. Pagel Pit – North

Monitoring Well/Point L316 Date: 1-6-05 Start Time: _____

Field Personnel: Rizner Finish Time: 12:55

Well Depth (Bottom) From MP: _____ ft

Depth to Water From MP (Prepurges) 0 IN ft Dry Well Water Volume: _____ gal

Water Column Length: _____ ft Water Evacuated: _____ gal
(Pipe ID: 1.5" - 0.092 gal/ft, 2"-0.16 gal/ft, 2.5 - 0.26 gal/ft)

Evacuated with: ____ Teflon Bailer ____ Waterra ____ Bladder ____ Electric Pump ____ Other (specify)

Sampled with: ____ Teflon Bailer ____ Waterra ____ Bladder ____ Electric Pump ____ Other (specify)

Sample Appearance: Odor: Color: Turbidity:

Weather:

Environment:

Remarks/Well Condition: * Dry Well - QED Bubbler Meter Indicated 0 in

Time Unfiltered:	Collected	Parameter
	Y / N	VOA (40mL)
	Y / N	TOX (250 mL)
	Y / N	TOC (40 mL)
	Y / N	Organics (1/2 gal)
	Y / N	Phenol (250 mL)
	Y / N	CN- (250 mL)
	Y / N	Grease & Oil (1 L)
	Y / N	Metals (Total) (500 mL)
	Y / N	General (500 mL)
	Y / N	Ammonia (500 mL)
	Y / N	
	Y / N	

Filtered:		Field Filtered Inorganics Y / N
	Y / N	Metals (500 mL)
	Y / N	Ammonia/NO_2/NO_3 (500 mL)
	Y / N	General (500 mL)

Well Integrity Form	Yes	No
1. Does well have identification sign?		
2. Does well have protective posts?		
3. Is the protective casing locked and does key work?		
4. Is the well free of damage and in good shape?		
5. Does well cap fit securely?		
6. Is the well cap vented?		
7. Does the area around the well appear clean?		
8. Is the casing secure?		
9. Is surface seal void of erosion around/under the base?		
10. Is the surface seal free of cracks?		
11. Is the surface seal sloped?		
12. Is the locking cap free of rust?		
13. Any obstruction or kinks in the well?		
14. Does bladder pump & appurtenances work properly?		
15. Is there any evidence of natural contamination?		
16. Any presence of water in annular space?		
17. Has well or protective casing been recently painted?		
18. Any grease/unnatural substances on the top of well?		
19. Are there weep holes at the bottom of casing?		

Purge	Time	Gal / L	pH	Spec Con	Temp
1st Vol					
2nd Vol					
3rd Vol					

Initial	Std	Read	Adjust
pH	4.00		4.00
	7.00		7.00
	10.00		10.00
Spec Con	1000		1000

Sampler's Signature: _____

PDC Laboratories, Inc. P.O. Box 9071 Peoria, IL 61612-9071 Phone: 309-692-9688 Fax: 309-692-9689

GROUNDWATER SAMPLING RECORD

Site/Project Name/Permit No. Pagel Pit

Monitoring Well/Point EQUIP BLK Date: 1-6-05 Start Time: _____

Field Personnel: JTM Finish Time: 12:15

Well Depth (Bottom) From MP: _____ ft

Depth to Water From MP (Prepurges) NA ft Well Water Volume: _____ gal

Water Column Length: _____ ft Water Evacuated: _____ gal
(Pipe ID: 1.5" - 0.092 gal/ft, 2"-0.16 gal/ft, 2.5 - 0.26 gal/ft)

Evacuated with: _____ Teflon Bailer _____ Waterra _____ Bladder _____ Electric Pump X Other (specify CARBOY)

Sampled with: _____ Teflon Bailer _____ Waterra _____ Bladder _____ Electric Pump X Other (specify CARBOY)

Sample Appearance: Odor: NONE Color: NONE Turbidity: NONE

Weather: P Cloudy ~~20~~ 20°

Environment: FROZEN GROUND PARKING LOT

Remarks/Well Condition: DI WATER

Time Unfiltered:	Collected	Parameter
	Y / N	VOA (40mL)
	Y / N	TOX (250 mL)
	Y / N	TOC (40 mL)
	Y / N	Organics (1/2 gal)
	Y / N	Phenol (250 mL)
	Y / N	CN- (250 mL)
	Y / N	Grease & Oil (1 L)
	Y / N	Metals (Total) (500 mL)
	Y / N	General (500 mL)
	Y / N	Ammonia (500 mL)
	Y / N	
	Y / N	

Well Integrity Form	Yes	No
1. Does well have identification sign?		
2. Does well have protective posts?		
3. Is the protective casing locked and does key work?		
4. Is the well free of damage and in good shape?		
5. Does well cap fit securely?		
6. Is the well cap vented?		
7. Does the area around the well appear clean?		
8. Is the casing secure?		
9. Is surface seal void of erosion around/under the base?		NA
10. Is the surface seal free of cracks?		
11. Is the surface seal sloped?		
12. Is the locking cap free of rust?		
13. Any obstruction or kinks in the well?		
14. Does bladder pump & appurtenances work properly?		
15. Is there any evidence of natural contamination?		
16. Any presence of water in annular space?		
17. Has well or protective casing been recently painted?		
18. Any grease/unnatural substances on the top of well?		
19. Are there weep holes at the bottom of casing?		

Filtered: Field Filtered Inorganics Y / N

_____	Y / N	Metals (500 mL)
_____	Y / N	Ammonia/NO_2/NO_3 (500 mL)
_____	Y / N	General (500 mL)

Purge	Time	Gal / L	pH	Spec Con	Temp
1st Vol					
2nd Vol		NA			
3rd Vol					

Initial	Std	Read	Adjust
pH	4.00		4.00
	7.00		7.00
	10.00		10.00
Spec Con	1000		1000

Sampler's Signature: _____

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GROUNDWATER SAMPLING RECORD

Site/Project Name/Permit No. Pagel Pit NORTH

Monitoring Well/Point FB#1 Date: 1-5-05 Start Time: _____

Field Personnel: JTM Finish Time: 11:20

Well Depth (Bottom) From MP: _____ ft

Depth to Water From MP (Prepurges) NA ft Well Water Volume: _____ gal

Water Column Length: _____ ft Water Evacuated: _____ gal
(Pipe ID: 1.5" - 0.092 gal/ft, 2"-0.16 gal/ft, 2.5 - 0.26 gal/ft)

Evacuated with: _____ Teflon Bailer _____ Waterra _____ Bladder _____ Electric Pump _____ Other (specify)

Sampled with: _____ Teflon Bailer _____ Waterra _____ Bladder _____ Electric Pump _____ Other (specify)

Sample Appearance: Odor: NONE Color: NONE Turbidity: NONE

Weather: SNOW 25°

Environment: RECYCLE PARKING LOT

Remarks/Well Condition: DI WATER

Time Unfiltered:	Collected	Parameter
	Y / N	VOA (40mL)
	Y / N	TOX (250 mL)
	Y / N	TOC (40 mL)
	Y / N	Organics (1/2 gal)
	(Y) / N	Phenol (250 mL)
	(Y) / N	CN- (250 mL)
	Y / N	Grease & Oil (1 L)
	(Y) / N	Metals (Total) (500 mL)
	(Y) / N	General (500 mL)
	(Y) / N	Ammonia (500 mL)
	Y / N	
	Y / N	

Filtered:		Field Filtered Inorganics Y / N
	Y / N	Metals (500 mL)
	Y / N	Ammonia/NO_2/NO_3 (500 mL)
	Y / N	General (500 mL)

Well Integrity Form	Yes	No
1. Does well have identification sign?		
2. Does well have protective posts?		
3. Is the protective casing locked and does key work?		
4. Is the well free of damage and in good shape?		
5. Does well cap fit securely?		
6. Is the well cap vented?		
7. Does the area around the well appear clean?		
8. Is the casing secure?		
9. Is surface seal void of erosion around/under the base?		
10. Is the surface seal free of cracks?	N/A	
11. Is the surface seal sloped?		N/A
12. Is the locking cap free of rust?		
13. Any obstruction or kinks in the well?		
14. Does bladder pump & appurtenances work properly?		
15. Is there any evidence of natural contamination?		
16. Any presence of water in annular space?		
17. Has well or protective casing been recently painted?		
18. Any grease/unnatural substances on the top of well?		
19. Are there weep holes at the bottom of casing?		

Purge	Time	Gal / L	pH	Spec Con	Temp
1st Vol					
2nd Vol			N/A		
3rd Vol					

Initial	Std	Read	Adjust
pH	4.00		4.00
	7.00		7.00
	10.00		10.00
Spec Con	1000		1000

Sampler's Signature: _____

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GROUNDWATER SAMPLING RECORD

Site/Project Name/Permit No. Pagel Pit - North

Monitoring Well/Point L314 Date: 1-6-05 Start Time: _____

Field Personnel: R. Zinsce Finish Time: 12:45

Well Depth (Bottom) From MP: _____ ft

Depth to Water From MP (Prepurges) Dry ft 150+in Well Water Volume: _____ gal

Water Column Length: _____ ft Water Evacuated: _____ gal
(Pipe ID: 1.5" - 0.092 gal/ft, 2"-0.16 gal/ft, 2.5 - 0.26 gal/ft)

Evacuated with: _____ Teflon Bailer _____ Waterra _____ Bladder _____ Electric Pump _____ Other (specify

Sampled with: _____ Teflon Bailer _____ Waterra _____ Bladder _____ Electric Pump _____ Other (specify

Sample Appearance: Odor: Color: Turbidity:

Weather:

Environment:

Remarks/Well Condition: * Dry Well - QED Bubbler Meter indicates 150+in, but could be off due to Frozen conditions

Time Unfiltered:	Collected	Parameter
_____	Y / N	VOA (40mL)
_____	Y / N	TOX (250 mL)
_____	Y / N	TOC (40 mL)
_____	Y / N	Organics (1/2 gal)
_____	Y / N	Phenol (250 mL)
_____	Y / N	CN- (250 mL)
_____	Y / N	Grease & Oil (1 L)
_____	Y / N	Metals (Total) (500 mL)
_____	Y / N	General (500 mL)
_____	Y / N	Ammonia (500 mL)
_____	Y / N	
_____	Y / N	

Filtered:		Field Filtered Inorganics Y / N
_____	Y / N	Metals (500 mL)
_____	Y / N	Ammonia/NO_2/NO_3 (500 mL)
_____	Y / N	General (500 mL)

Well Integrity Form	Yes	No
1. Does well have identification sign?		
2. Does well have protective posts?		
3. Is the protective casing locked and does key work?		
4. Is the well free of damage and in good shape?		
5. Does well cap fit securely?		
6. Is the well cap vented?		
7. Does the area around the well appear clean?		
8. Is the casing secure?		
9. Is surface seal void of erosion around/under the base?		
10. Is the surface seal free of cracks?		
11. Is the surface seal sloped?		
12. Is the locking cap free of rust?		
13. Any obstruction or kinks in the well?		
14. Does bladder pump & appurtenances work properly?		
15. Is there any evidence of natural contamination?		
16. Any presence of water in annular space?		
17. Has well or protective casing been recently painted?		
18. Any grease/unnatural substances on the top of well?		
19. Are there weep holes at the bottom of casing?		

Purge	Time	Gal / L	pH	Spec Con	Temp
1st Vol					
2nd Vol					
3rd Vol					

Initial	Std	Read	Adjust
pH	4.00		4.00
	7.00		7.00
	10.00		10.00
Spec Con	1000		1000

Sampler's Signature: _____

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PDC LABORATORIES, INC.
2231 WEST ALTORFER DRIVE
PEORIA, IL 61615

PHONE # 309-692-9688
FAX # 309-692-9689

CHAIN OF CUSTODY RECORD

ALL SHADED AREAS MUST BE COMPLETED BY CLIENT (PLEASE PRINT)

1 CLIENT	PROJECT NUMBER	P.O. NUMBER	MEANS SHIPPED
PAGEL PIT LANDFILL	NORTH UNIT		PDC
ADDRESS	PHONE NUMBER	FAX NUMBER	DATE SHIPPED
	815-381-5649		
CITY STATE ZIP	SAMPLER (PLEASE PRINT): Jim Brewer		MATRIX TYPES: WW- WASTEWATER, DW- DRINKING WATER, GW- GROUND WATER, WWSL- SLUDGE, NAS- SOLID, OTHER:
CONTACT PERSON: EVAN BUSKOHL	SAMPLER'S SIGNATURE: Jim Brewer		

2 SAMPLE DESCRIPTION	DATE COLLECTED	TIME COLLECTED	SAMPLE TYPE GRAB	SAMPLE TYPE COMP	MATRIX TYPE	TOTAL # OF CONT	3 ANALYSIS REQUESTED: NH3*,CL*,SO4*,TDS*,NO3*	AS*,B*,CD*,PB*,FE*,MN*,ZN	PHENOL	CN				REMARKS
G03M	1/6/05	1040	X		GW	5								* = DISSOLVED
R03S		1125	X		GW	5								
G09D		1307	X		GW	5								
G09M		1330	X		GW	5								
G119		910	X		GW	5								
G130		945	X		GW	5								
G14D		1445	X		GW	5								
G15S		1600	X		GW	5								
G16D		1355	X		GW	5								
G16M		1335	X		GW	5								
G17S		932	X		GW	5								

4 (FOR LAB USE ONLY)
LOGIN # 05011635 JTB
LOGGED BY: _____
LAB PROJ. # _____
TEMPLATE: PAGEL_QTGW
PROJ. MGR.: DOROTHY W. ROTHERT

5 TURNAROUND TIME REQUESTED (PLEASE CIRCLE) (RUSH TAT IS SUBJECT TO PDC LABS APPROVAL AND SURCHARGE): NORMAL / RUSH
RUSH RESULTS VIA (PLEASE CIRCLE): FAX / PHONE
FAX # IF DIFFERENT FROM ABOVE:
PHONE # IF DIFFERENT FROM ABOVE:

6 *The sample temperature will be measured upon receipt at the lab. By initialing this area you request that the lab notify you, before proceeding with analysis, if the sample temperature is outside of the range of 0.1-6.0°C. By not initialing this area you allow the lab to proceed with analytical testing regardless of the sample temperature.* _____

7	DATE	TIME		DATE	TIME
RELINQUISHED BY: (SIGNATURE) Jim Brewer	1/6/05	1645	RECEIVED BY: (SIGNATURE)		
RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED AT LAB BY: (SIGNATURE) J Hunter	1/7/05	6:15

8 COMMENTS: (FOR LAB USE ONLY)

SAMPLE TEMPERATURE UPON RECEIPT	2 °C
CHILL PROCESS STARTED PRIOR TO RECEIPT	(Y) OR N
SAMPLE(S) RECEIVED ON ICE	(Y) OR N
BOTTLES RECEIVED IN GOOD CONDITION	(Y) OR N
BOTTLES FILLED TO APPROX. THE NECK	(Y) OR N
SAMPLES RECEIVED WITHIN HOLD TIME(S)	(Y) OR N

PDC LABORATORIES, INC.
2231 WEST ALTORFER DRIVE
PEORIA, IL 61615
PHONE # 309-692-9688
FAX # 309-692-9689

CHAIN OF CUSTODY RECORD

ALL SHADED AREAS MUST BE COMPLETED BY CLIENT (PLEASE PRINT)

1 CLIENT	PROJECT NUMBER	P.O. NUMBER	MEANS SHIPPED
PAGEL PIT LANDFILL	NORTH UNIT		PDC
ADDRESS	PHONE NUMBER	FAX NUMBER	DATE SHIPPED
	815-381-5649		
CITY STATE ZIP	SAMPLER (PLEASE PRINT) D m Brewer		MATRIX TYPES: WW- WASTEWATER DW- DRINKING WATER GW- GROUND WATER WWSL- SLUDGE NAS- SOLID OTHER: _____
CONTACT PERSON: EVAN BUSKOHL	SAMPLER'S SIGNATURE		

2 SAMPLE DESCRIPTION	DATE COLLECTED	TIME COLLECTED	SAMPLE TYPE GRAB	SAMPLE TYPE COMP	MATRIX TYPE	TOTAL # OF CONT	3 ANALYSIS REQUESTED: NH3*,CL*,SO4*,TDS*,NO3*	AS*,B*,CD*,PB*,FE*,MN*,ZN	PHENOL	CN				4 REMARKS
G18D	1/5/05	1331	X		GW	5								* = DISSOLVED
G18S		1317	X		GW	5								
G20D		1300	X		GW	5								
G33D		1235	X		GW	5								
G33S		1215	X		GW	5								
G34D		1440	X		GW	5								
G34S		1415	X		GW	5								
G35D		1315	X		GW	5								
G35S	1255	~~1415~~	X		GW	5								
G36S	1/5/06	1015	X		GW	5								
G37D		1253	X		GW	5								

4 (FOR LAB USE ONLY)
LOGIN # _____
LOGGED BY: _____
LAB PROJ. # _____
TEMPLATE: PAGEL_QTGW
PROJ. MGR.: DOROTHY W. ROTHERT

5 TURNAROUND TIME REQUESTED (PLEASE CIRCLE) (RUSH TAT IS SUBJECT TO PDC LABS APPROVAL AND SURCHARGE) NORMAL RUSH
RUSH RESULTS VIA (PLEASE CIRCLE) FAX PHONE
FAX # IF DIFFERENT FROM ABOVE: PHONE # IF DIFFERENT FROM ABOVE:

6 *The sample temperature will be measured upon receipt at the lab. By initialing this area you request that the lab notify you, before proceeding with analysis, if the sample temperature is outside of the range of 0.1-6.0°C. By not initialing this area you allow the lab to proceed with analytical testing regardless of the sample temperature.* _____

7 RELINQUISHED BY: (SIGNATURE)	DATE	RECEIVED BY: (SIGNATURE)	DATE
D m Brewer	1/6/05		
	TIME 1645		TIME
RELINQUISHED BY: (SIGNATURE)	DATE	RECEIVED AT LAB BY: (SIGNATURE)	DATE
	TIME		TIME

8 COMMENTS: (FOR LAB USE ONLY)

SAMPLE TEMPERATURE UPON RECEIPT 2 °C
CHILL PROCESS STARTED PRIOR TO RECEIPT (Y) OR N
SAMPLE(S) RECEIVED ON ICE (Y) OR N
BOTTLES RECEIVED IN GOOD CONDITION (Y) OR N
BOTTLES FILLED TO APPROX. THE NECK (Y) OR N
SAMPLES RECEIVED WITHIN HOLD TIME(S) (Y) OR N

PDC LABORATORIES, INC.
2231 WEST ALTORFER DRIVE PHONE # 309-692-9688
PEORIA, IL 61615 FAX # 309-692-9689

CHAIN OF CUSTODY RECORD

ALL SHADED AREAS MUST BE COMPLETED BY CLIENT (PLEASE PRINT)

(1) CLIENT: PAGEL PIT LANDFILL
ADDRESS:
CITY / STATE / ZIP:
CONTACT PERSON: EVAN BUSKOHL

PROJECT NUMBER: NORTH UNIT
P.O. NUMBER:
MEANS SHIPPED: PDC
PHONE NUMBER: 815-381-5649
FAX NUMBER:
DATE SHIPPED:
SAMPLER (PLEASE PRINT):
SAMPLER'S SIGNATURE:

MATRIX TYPES:
WW- WASTEWATER
DW- DRINKING WATER
GW- GROUND WATER
WWSL- SLUDGE
NAS- SOLID
OTHER: ____

(3) ANALYSIS REQUESTED

(4) (FOR LAB USE ONLY)
LOGIN # ____
LOGGED BY: ____
LAB PROJ. # ____
TEMPLATE: PAGEL_QTGW
PROJ. MGR.: DOROTHY W. ROTHERT

(2) SAMPLE DESCRIPTION	DATE COLLECTED	TIME COLLECTED	SAMPLE TYPE GRAB	SAMPLE TYPE COMP	MATRIX TYPE	TOTAL # OF CONT	NH3*,CL*,SO4*,TDS*,NO3*	AS*,B*,CD*,PB*,FE*,MN*,ZN	PHENOL	CN				REMARKS
G37S	1/5/05	1245	X		GW	5								* = DISSOLVED
G38S	↓	1220	X		GW	5								
G39S	↓	1350	X		GW	5								
G40S	↓	1530	X		GW	5								
~~G41D~~	—	—	~~X~~	—	~~GW~~	—								
G41D	1/5/05	1035	X		GW	5								
G41M	↓	1013	X		GW	5								
G41S	↓	1022	X		GW	5								
R42S	1/5/05	915	X		GW	5								
SG1	1/5/05	1052	X		GW	5								
SG3	1/5/04	11:02	X		GW	5								

(5) TURNAROUND TIME REQUESTED (PLEASE CIRCLE) NORMAL RUSH
(RUSH TAT IS SUBJECT TO PDC LABS APPROVAL AND SURCHARGE)
RUSH RESULTS VIA (PLEASE CIRCLE) FAX PHONE
FAX # IF DIFFERENT FROM ABOVE: PHONE # IF DIFFERENT FROM ABOVE:

(6) *The sample temperature will be measured upon receipt at the lab. By initialing this area you request that the lab notify you, before proceeding with analysis, if the sample temperature is outside of the range of 0.1-6.0°C. By not initialing this area you allow the lab to proceed with analytical testing regardless of the sample temperature.* ____

(7) RELINQUISHED BY: (SIGNATURE)	DATE / TIME	RECEIVED BY: (SIGNATURE)	DATE / TIME
[signature]	DATE 1/6/05 TIME 1415		DATE TIME
RELINQUISHED BY: (SIGNATURE)	DATE TIME	RECEIVED AT LAB BY: (SIGNATURE)	DATE TIME

(8) COMMENTS: (FOR LAB USE ONLY)

SAMPLE TEMPERATURE UPON RECEIPT 2 °C
CHILL PROCESS STARTED PRIOR TO RECEIPT (Y) OR N
SAMPLE(S) RECEIVED ON ICE (Y) OR N
BOTTLES RECEIVED IN GOOD CONDITION (Y) OR N
BOTTLES FILLED TO APPROX. THE NECK (Y) OR N
SAMPLES RECEIVED WITHIN HOLD TIME(S) (Y) OR N

PDC LABORATORIES, INC.
2231 WEST ALTORFER DRIVE
PEORIA, IL 61615

PHONE # 309-692-9688
FAX # 309-692-9689

CHAIN OF CUSTODY RECORD

ALL SHADED AREAS MUST BE COMPLETED BY CLIENT (PLEASE PRINT)

1 CLIENT	PROJECT NUMBER	P.O. NUMBER	MEANS SHIPPED
PAGEL PIT LANDFILL	NORTH UNIT		PDC
ADDRESS	PHONE NUMBER	FAX NUMBER	NH3*,AS*,CD*,CL*, FE*,PB*,
	815-381-5649		
CITY STATE ZIP	SAMPLER (PLEASE PRINT) D M Buskohl		MATRIX TYPES: WW- WASTEWATER DW- DRINKING WATER GW- GROUND WATER WWSL- SLUDGE NAS- SOLID OTHER:
CONTACT PERSON: EVAN BUSKOHL	SAMPLER'S SIGNATURE		

2 SAMPLE DESCRIPTION	DATE COLLECTED	TIME COLLECTED	SAMPLE TYPE GRAB	SAMPLE TYPE COMP	MATRIX TYPE	TOTAL # OF CONT	NH3*,CL*,SO4*,TDS*,NO3*	AS*,B*,CD*,PB*,FE*,MN*,ZN	PHENOL	CN	REMARKS
SG4	1/5/05	900	X		GW	5					* = DISSOLVED
FIELD BLANK	1/5/05 ~~1/6/05~~	1120	X	DI	~~GW~~	5					
EQUIP BLANK	1/6/05	12:15	X	DI	~~GW~~	5					

3 ANALYSIS REQUESTED

4 (FOR LAB USE ONLY)
LOGIN # _____
LOGGED BY: _____
LAB PROJ. # _____
TEMPLATE: PAGEL_QTGW
PROJ. MGR.: DOROTHY W. ROTHERT

5 TURNAROUND TIME REQUESTED (PLEASE CIRCLE) (RUSH TAT IS SUBJECT TO PDC LABS APPROVAL AND SURCHARGE) NORMAL RUSH
RUSH RESULTS VIA (PLEASE CIRCLE) FAX PHONE
FAX # IF DIFFERENT FROM ABOVE: PHONE # IF DIFFERENT FROM ABOVE:

6 *The sample temperature will be measured upon receipt at the lab. By initialing this area you request that the lab notify you, before proceeding with analysis, if the sample temperature is outside of the range of 0.1-6.0°C. By not initialing this area you allow the lab to proceed with analytical testing regardless of the sample temperature.* _____

7 RELINQUISHED BY: (SIGNATURE)	DATE	RECEIVED BY: (SIGNATURE)	DATE
D M Buskohl	1/6/05		
	TIME 1645		TIME
RELINQUISHED BY: (SIGNATURE)	DATE	RECEIVED AT LAB BY: (SIGNATURE)	DATE
	TIME		TIME

8 COMMENTS: (FOR LAB USE ONLY)

SAMPLE TEMPERATURE UPON RECEIPT 2 °C
CHILL PROCESS STARTED PRIOR TO RECEIPT (Y) OR N
SAMPLE(S) RECEIVED ON ICE (Y) OR N
BOTTLES RECEIVED IN GOOD CONDITION (Y) OR N
BOTTLES FILLED TO APPROX. THE NECK (Y) OR N
SAMPLES RECEIVED WITHIN HOLD TIME(S) (Y) OR N

PDC LABORATORIES, INC.
2231 WEST ALTORFER DRIVE
PEORIA, IL 61615

PHONE # 309-692-9688
FAX # 309-692-9689

CHAIN OF CUSTODY RECORD

ALL SHADED AREAS MUST BE COMPLETED BY CLIENT (PLEASE PRINT)

1 CLIENT	PROJECT NUMBER	P.O. NUMBER	MEANS SHIPPED
PAGEL PIT LANDFILL	NORTH UNIT		PDC
ADDRESS	PHONE NUMBER	FAX NUMBER	DATE SHIPPED
	815-381-5649		
CITY STATE ZIP	SAMPLER (PLEASE PRINT)		MATRIX TYPES: WW- WASTEWATER, DW- DRINKING WATER, GW- GROUND WATER, WWSL- SLUDGE, NAS- SOLID, OTHER:
CONTACT PERSON: EVAN BUSKOHL	SAMPLER'S SIGNATURE		

2 SAMPLE DESCRIPTION	DATE COLLECTED	TIME COLLECTED	SAMPLE TYPE GRAB	SAMPLE TYPE COMP	MATRIX TYPE	TOTAL # OF CONT	BOD,F,TDS,TSS	NH3,COD	PHENOL,OIL	HEXACHROME	FECAL	AS,BA,CD,CR,CU,FE,HG,P, MN,NI,AG,ZN,HG	CN	REMARKS
L313	1/6/5	1230	X		LCH	8								
L314			X		LCH									
L315			X		LCH									
L316			X		LCH									

3 ANALYSIS REQUESTED

4 (FOR LAB USE ONLY)
LOGIN # 05011634
LOGGED BY: TD
LAB PROJ. #
TEMPLATE: PAGEL_QTLC
PROJ. MGR.: DOROTHY W. ROTHERT

5 TURNAROUND TIME REQUESTED (PLEASE CIRCLE) (RUSH TAT IS SUBJECT TO PDC LABS APPROVAL AND SURCHARGE) — NORMAL / RUSH
RUSH RESULTS VIA (PLEASE CIRCLE) — FAX / PHONE
FAX # IF DIFFERENT FROM ABOVE:
PHONE # IF DIFFERENT FROM ABOVE:

6 *The sample temperature will be measured upon receipt at the lab. By initialing this area you request that the lab notify you, before proceeding with analysis, if the sample temperature is outside of the range of 0.1-6.0°C. By not initialing this area you allow the lab to proceed with analytical testing regardless of the sample temperature.* _____

7 RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
DM Bauer	1/6/5	1615			
RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED AT LAB BY: (SIGNATURE)	DATE	TIME
			J Manton	1/7/05	6:15

8 COMMENTS: (FOR LAB USE ONLY)

SAMPLE TEMPERATURE UPON RECEIPT	2	°C
CHILL PROCESS STARTED PRIOR TO RECEIPT	(Y) OR N	
SAMPLE(S) RECEIVED ON ICE	(Y) OR N	
BOTTLES RECEIVED IN GOOD CONDITION	(Y) OR N	
BOTTLES FILLED TO APPROX. THE NECK	(Y) OR N	
SAMPLES RECEIVED WITHIN HOLD TIME(S)	(Y) OR N	